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Monthly and Seasonal Mean Analyses

September, October, November 1984

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Monthly and Seasonal Mean Analyses

September, October, November 1984

Mean fields obtained from the archive of operational analyses

Met O 20 (Dynamical Climatology Branch)
Meteorological Office
London Road
Bracknell
Berkshire RG12 2SZ

August 1987

Note: Permission to quote from this document should be obtained from the Assistant Director of the above Meteorological Branch.

Introduction

The archive of operational analyses contains a continuous record of global analyses every 12 hours (00 and 12 GMT) from May 1983 onwards. They are copies of the update analyses produced in the operational numerical weather prediction system using the 15-level model (Dickinson and Temperton 1984). This publication presents a selection of charts from the archive.

The publication covers a 3-month period and is divided into four sections. Sections 1, 2 and 3 contain charts of the monthly mean fields and section 4 contains charts of the seasonal mean fields for the 3-month period. Each section includes a mean-sea-level pressure chart and composite charts showing fields of height, wind vectors and isotachs for the 850, 500, 250 and 100 mb pressure levels. These charts, on polar stereographic projections, cover the extra-tropical regions of both hemispheres. For the tropical regions, wind vectors and isotachs are presented for the 850 and 250 mb pressure levels. These fields are shown in a series of charts, on a latitude–longitude projection encircling the globe in three sections, covering the longitudes 0°–120° E, 120° E–120° W and 120° W–0°. On all charts contours are depicted as solid lines, wind vectors as arrows and isotachs as dashed lines.

From the start of the archive the global fields have been stored as spectral coefficients using a triangular truncation of T40 (Swinbank 1984), which is approximately equivalent to a latitude–longitude grid with a resolution of 4.5° by 4.5°. Since the model analyses are written up on a 1.5° by 1.875° grid the conversion to spectral coefficients results in some smoothing of the data. The fields are stored in Met O 20 Post-Processing format which consists of a header record containing field and grid information followed by a data record containing the field values. Details of this format may be found in the PP-package manual in Met O 20. Fields available on the archive are as follows:

Field		Pressure level (mb)
Westerly wind component	(m/s)	1000, 850, 700, 500, 400, 300, 250, 200, 150, 100, 70, 50
Southerly wind component	(m/s)	
Height	(dam)	
Temperature	(K)	
Relative humidity	(%)	1000, 850, 700, 500, 400, 300
Mean-sea-level pressure	(mb)	

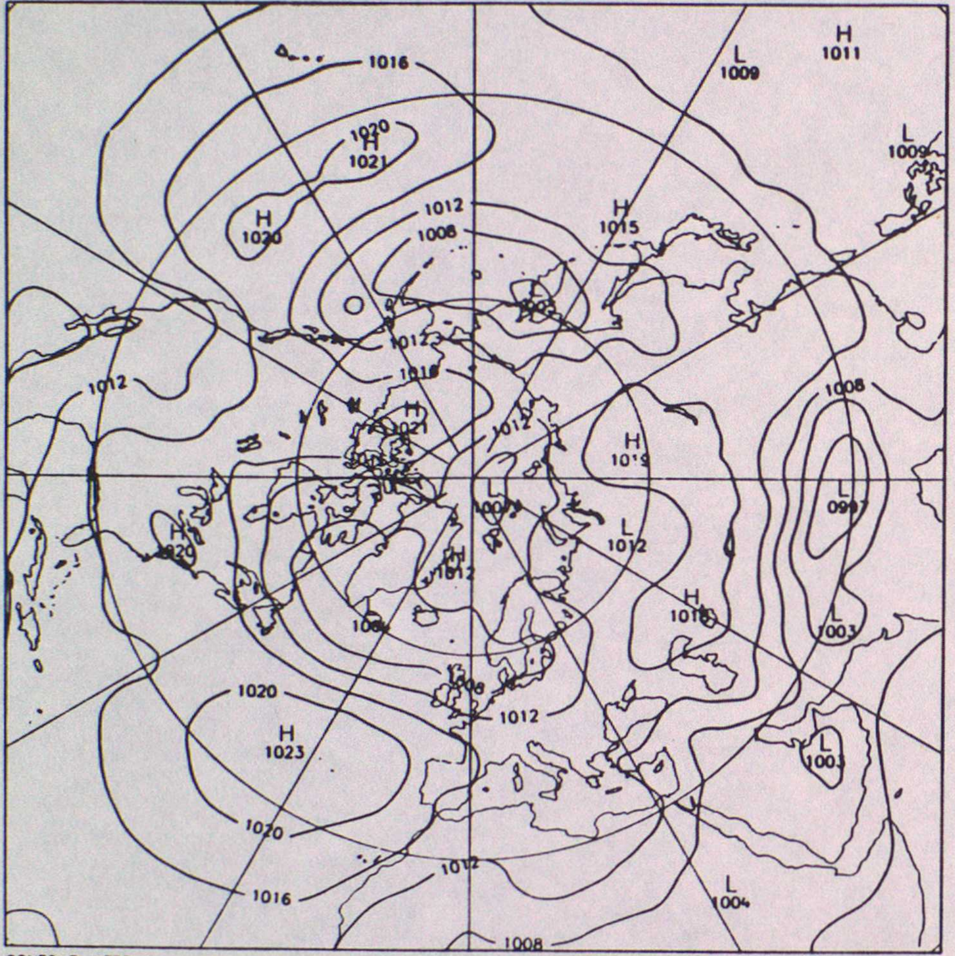
The appropriate tape numbers, file numbers and dataset names can be found by reading the library members on 'M20.NARCHIND' and for recently archived data by reading the dataset 'M20.NARCHLST'. Subroutines from the PP-package are used for accessing the data. Examples are shown in Swinbank (1984).

References

Dickinson, A. and Temperton C.	1984	The Operational Numerical Weather Prediction Model. Met O 11 Technical Note No. 183. Meteorological Office, Bracknell.
Swinbank, R.	1984	A system to archive operational analyses for research purposes. Met O 20 Technical Note No. II/218. Meteorological Office, Bracknell.

SEPTEMBER
1984

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
PMSL
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
LEVEL: SEA LEVEL



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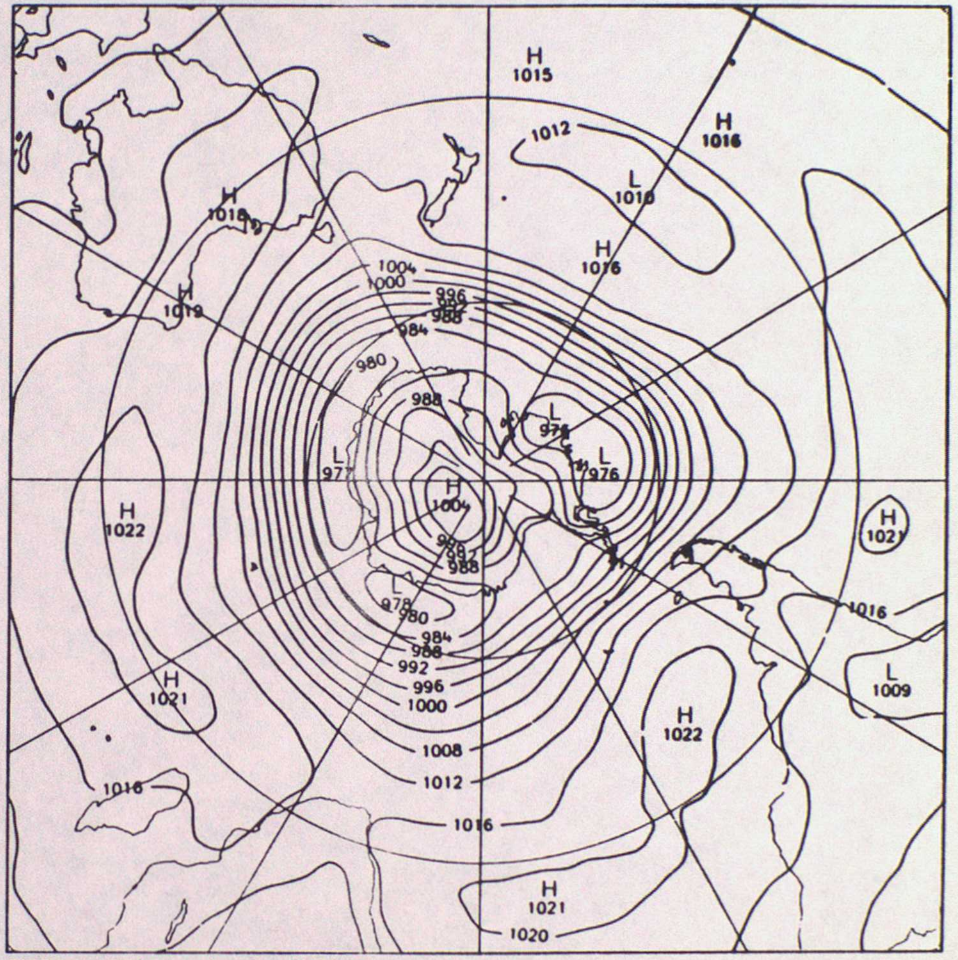
1016
L 1004
1008

CONTOUR INTERVAL: 4 MB UNITS: MB

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
PMSL
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
LEVEL: SEA LEVEL



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L 974
L 976
H 1004
H 1022
H 1021
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1016
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L 1009
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H 1021
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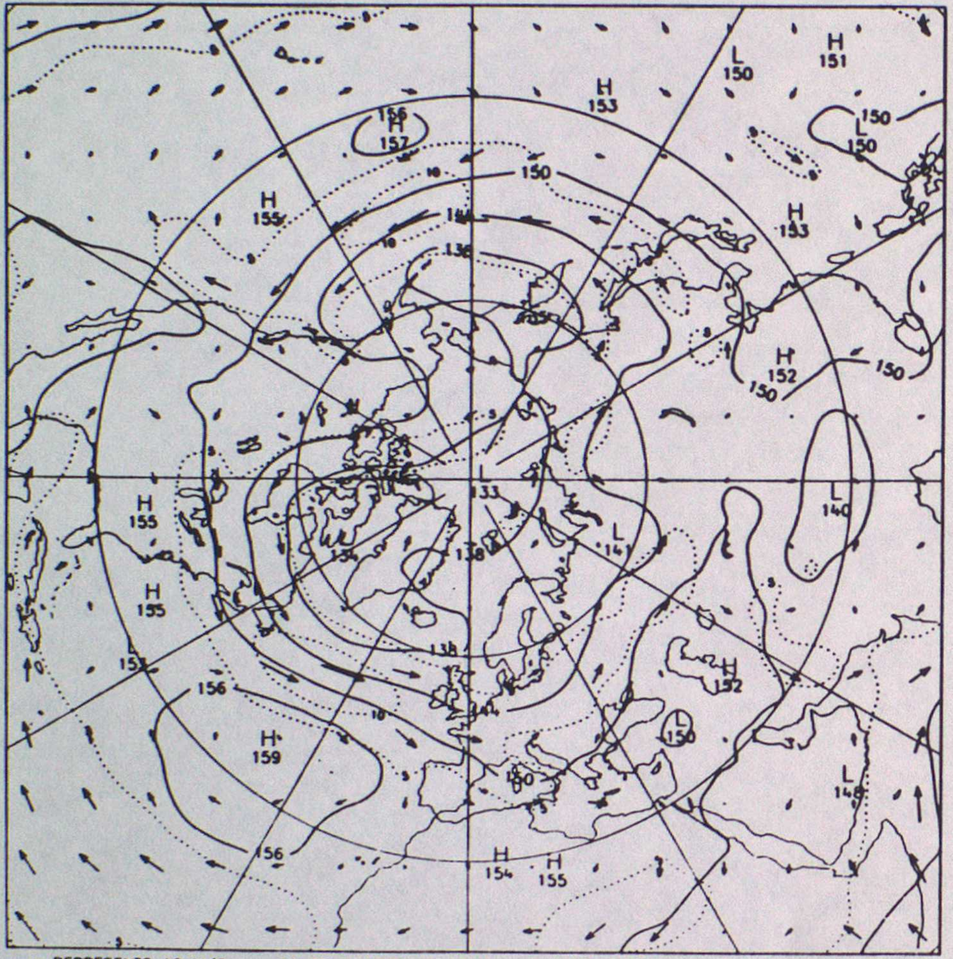
1016

CONTOUR INTERVAL: 4 MB UNITS: MB

OPERATIONAL ARCHIVE MEANS.   SEPTEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
LEVEL: 850 MB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H 152
L 140
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L 141
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L 148
H 154
H 155
150
156

→ REPRESENTS 10 M/S   CONTOUR INTERVAL: 60 M   UNITS: 10 M

OPERATIONAL ARCHIVE MEANS.   SEPTEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
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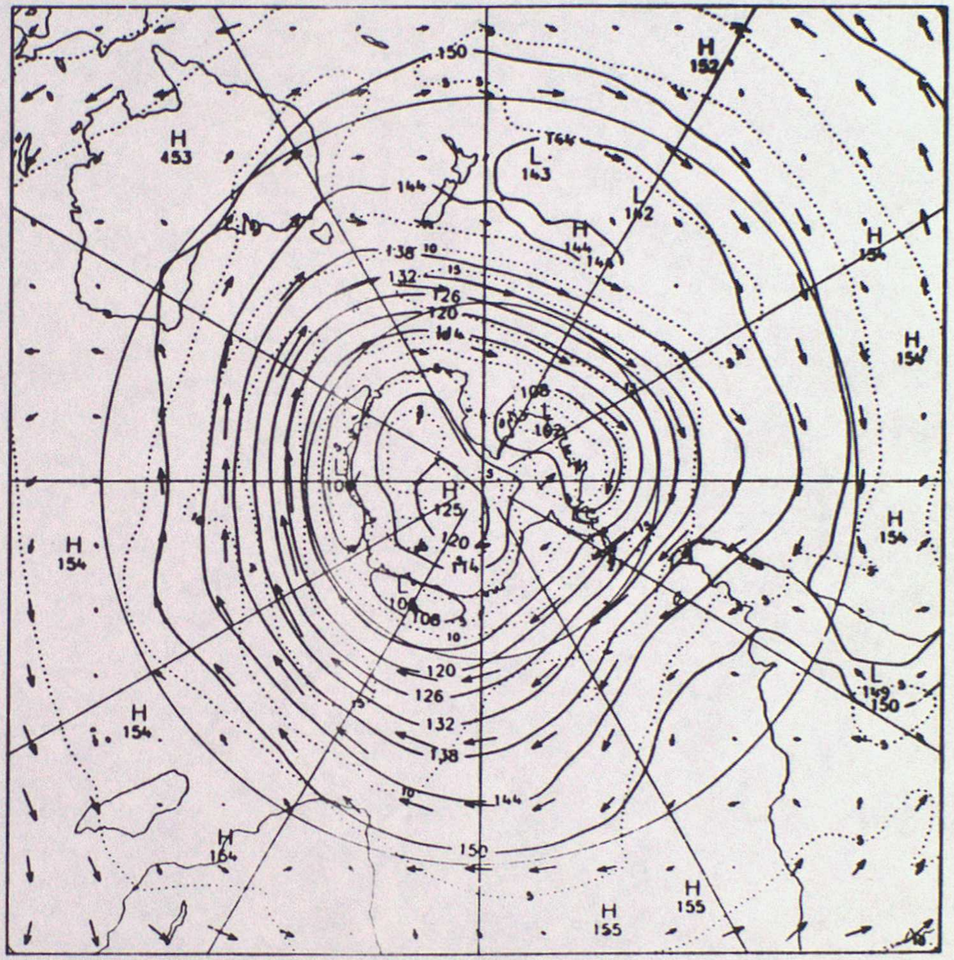
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132
126
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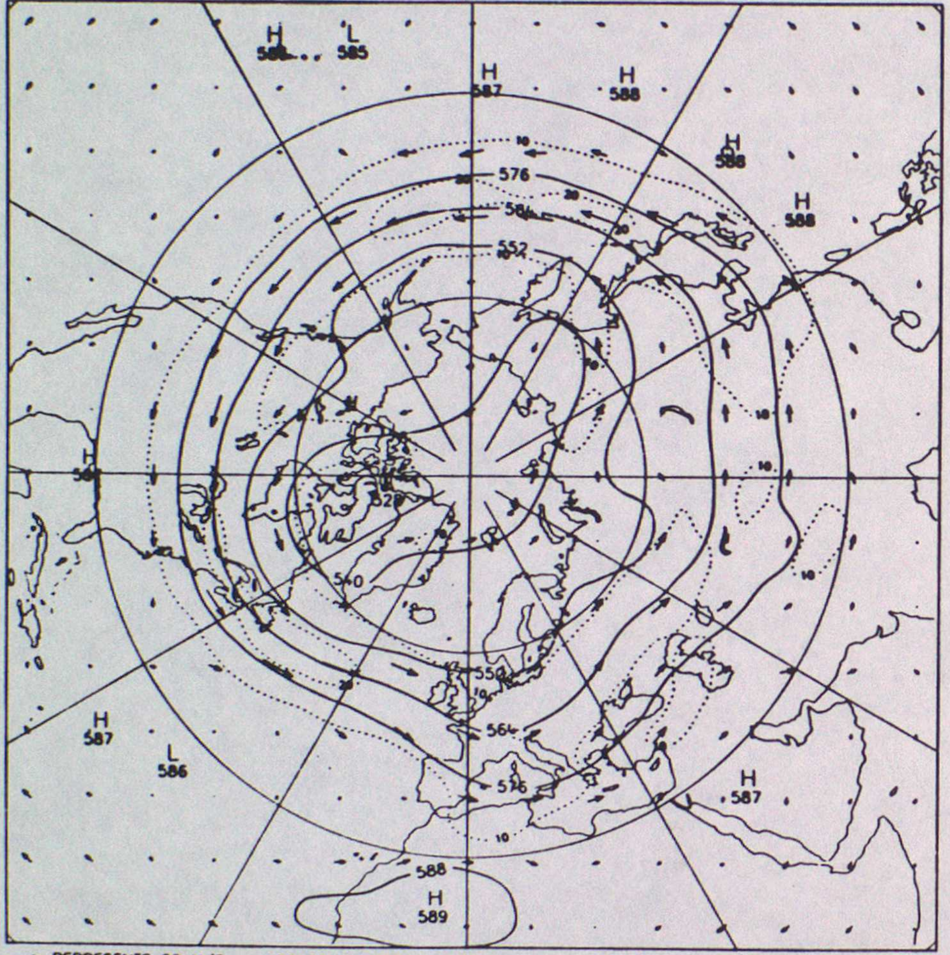
114
108

→ REPRESENTS 10 M/S   CONTOUR INTERVAL: 60 M   UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
LEVEL: 500 MB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564
576
H
587
L
586
H
587
588
H
589

→ REPRESENTS 20 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON **30/9/1984** DAY 274
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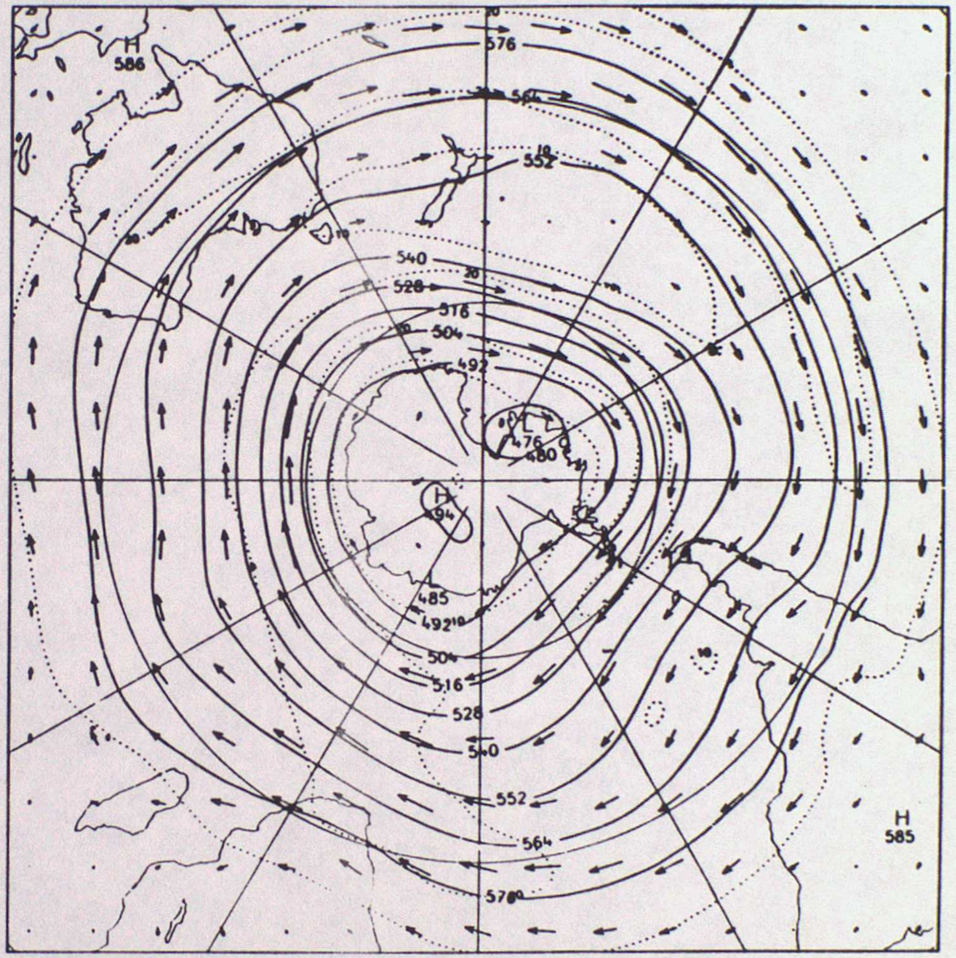
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528
540
552
564
576
H
585

→ REPRESENTS 20 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
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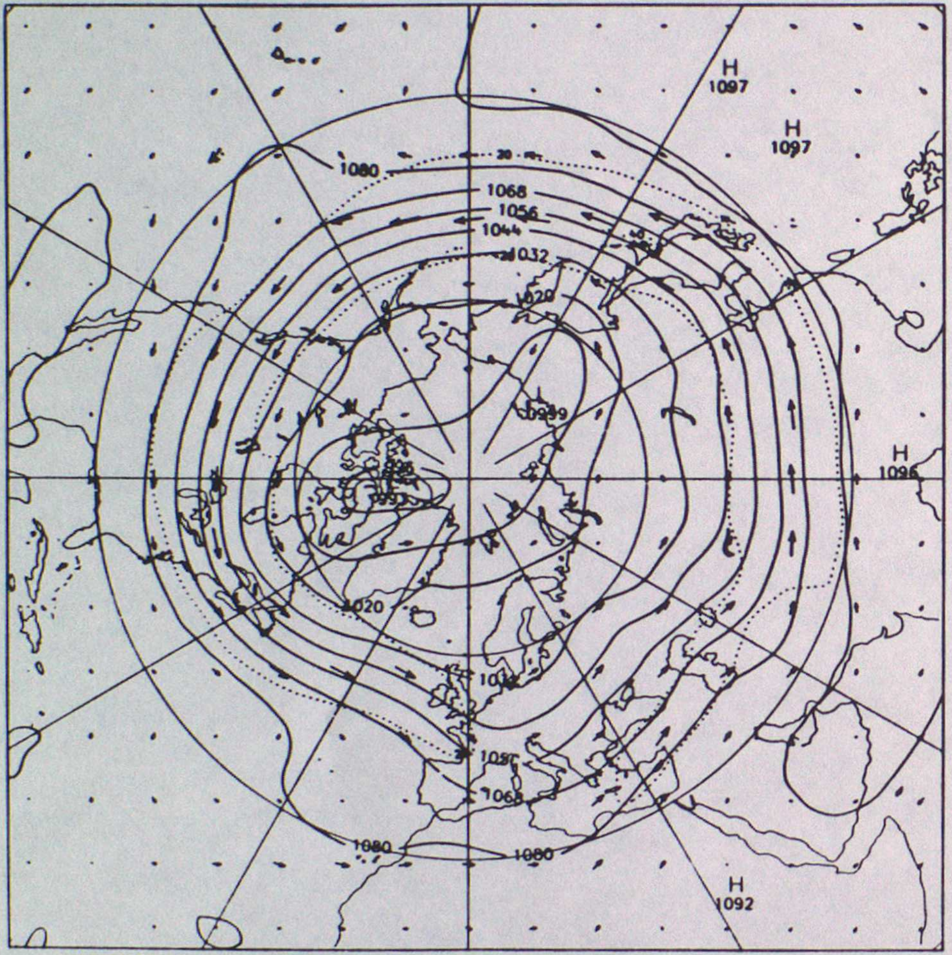
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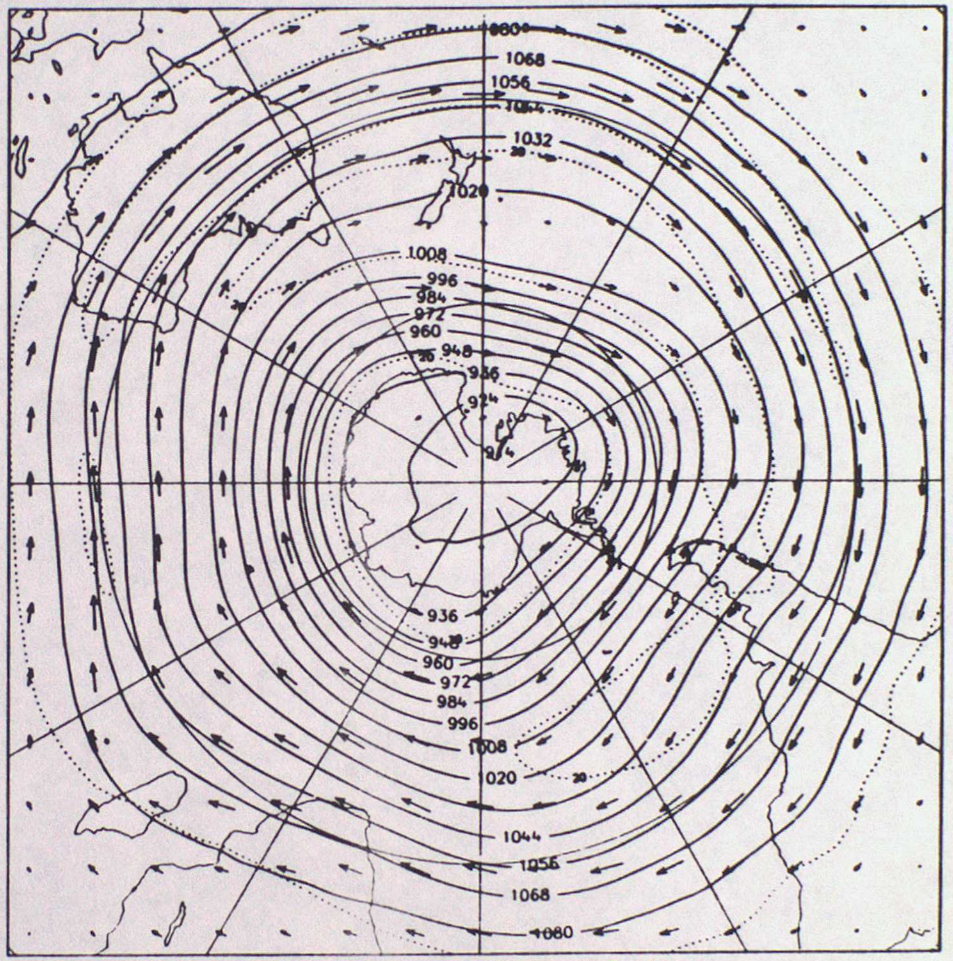
1080
1080
H
1092

→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
LEVEL: 250 MB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984
996
1008
1020
1044
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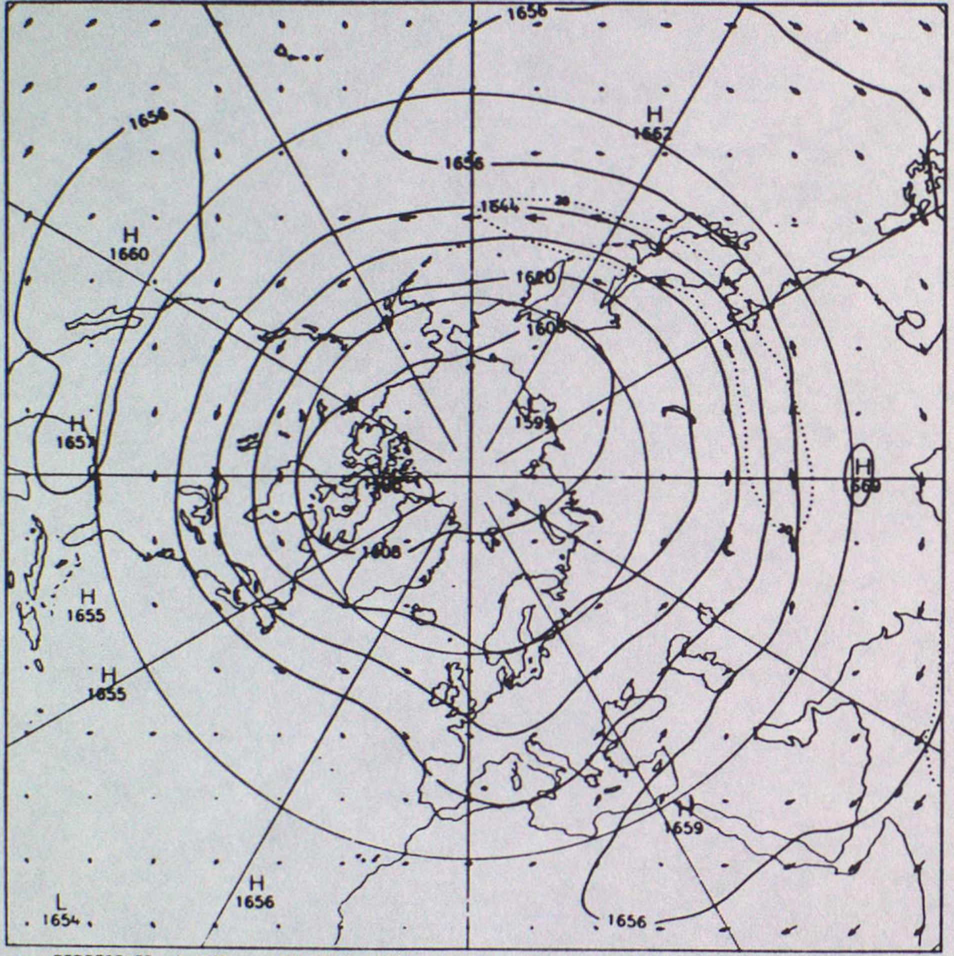
1068
1080

→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
LEVEL: 100 MB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H
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H
1656
L
1654
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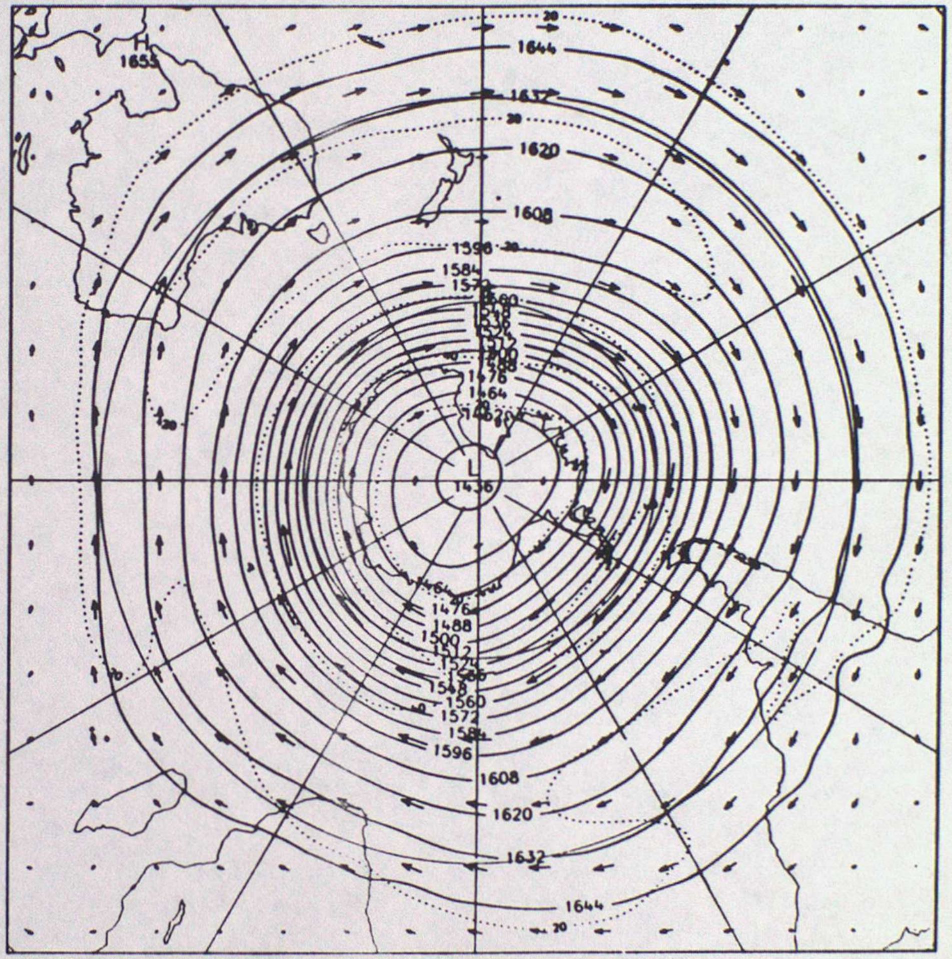
→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
LEVEL: 100 MB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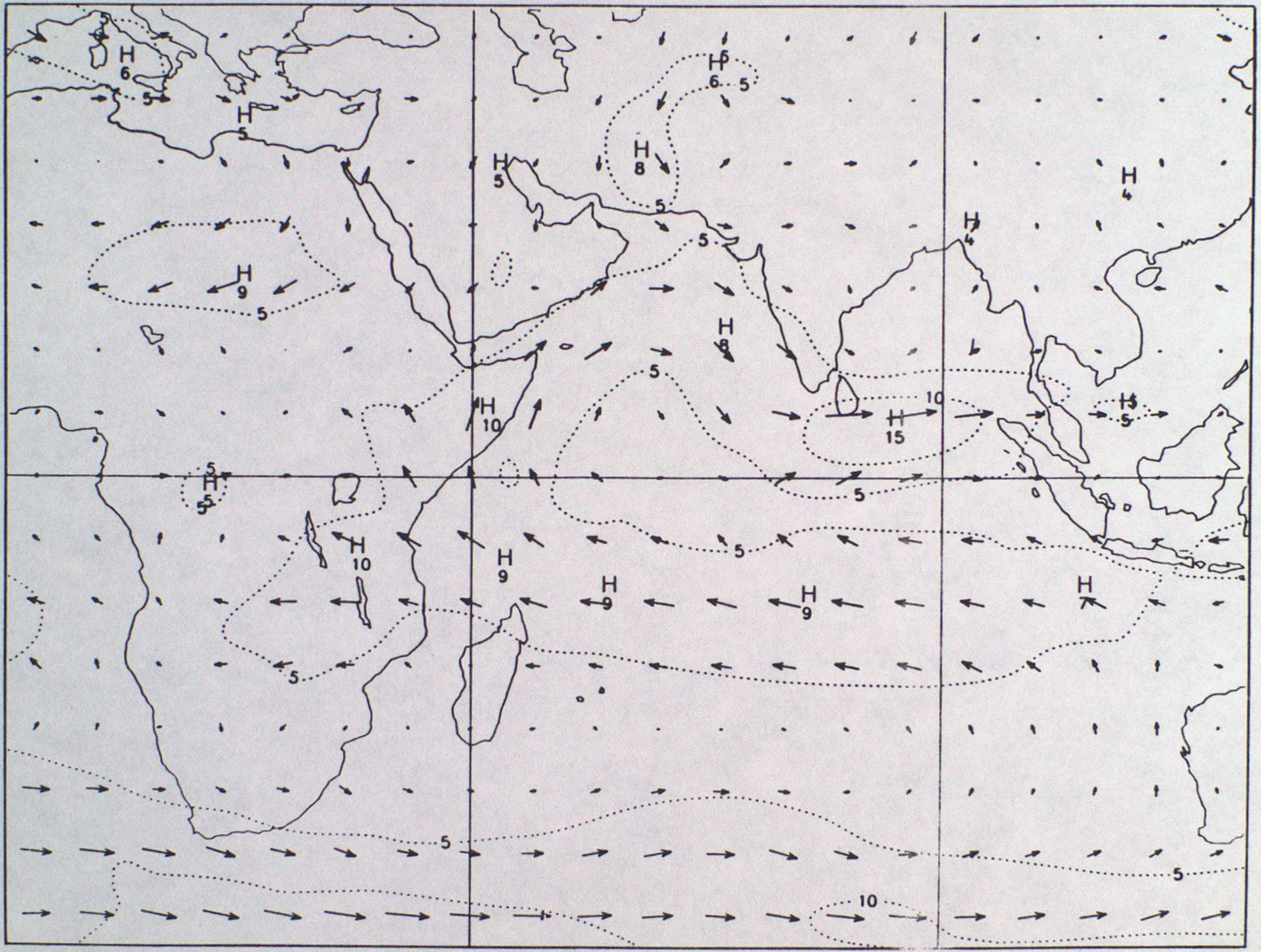
→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
850 MBS. BETWEEN LONGS. 0 E - 120 E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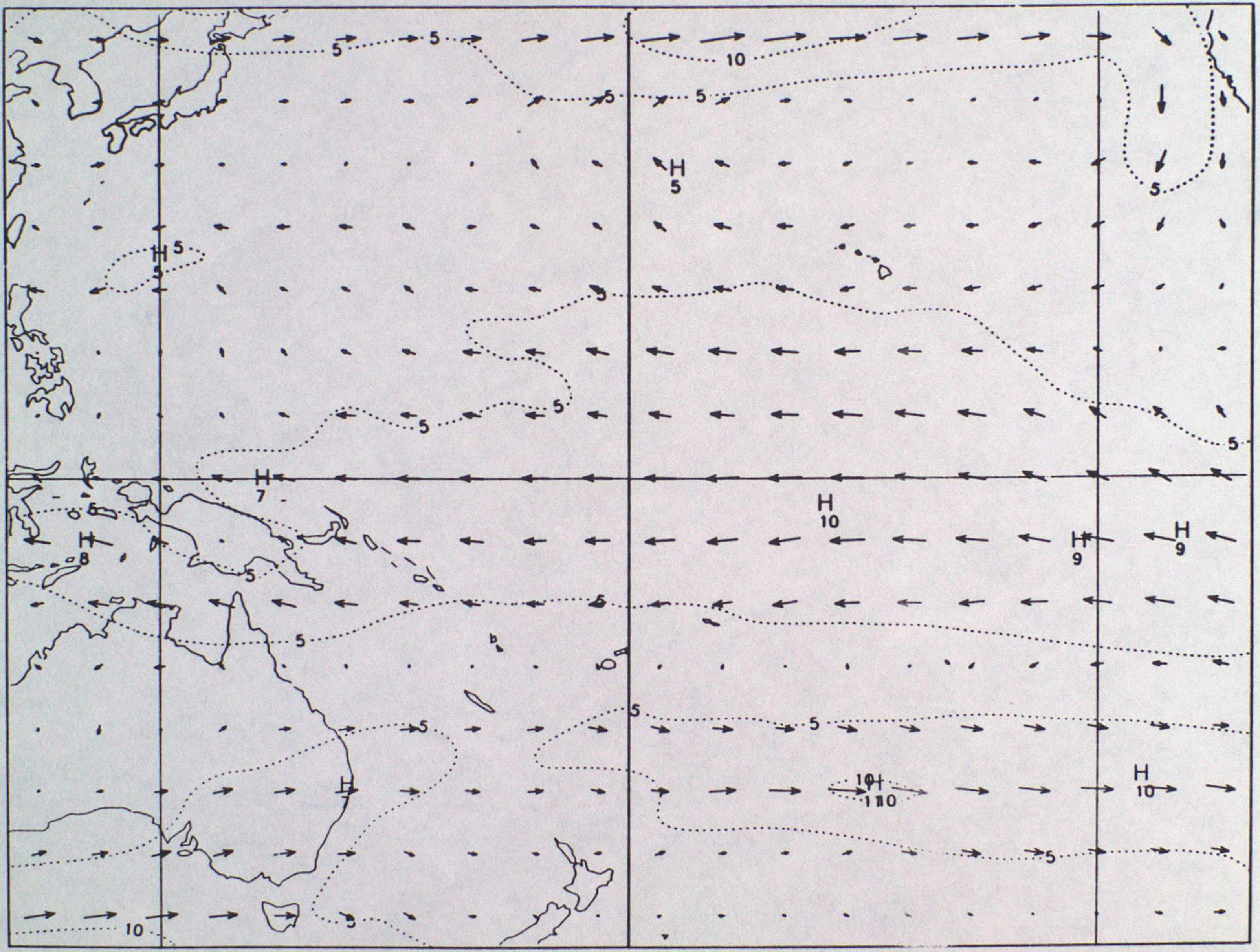
H 5
5
10
15

→ REPRESENTS 10 M/S

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
850 MBS. BETWEEN LONGS. 120 E - 120 W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9
H
9
5
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5
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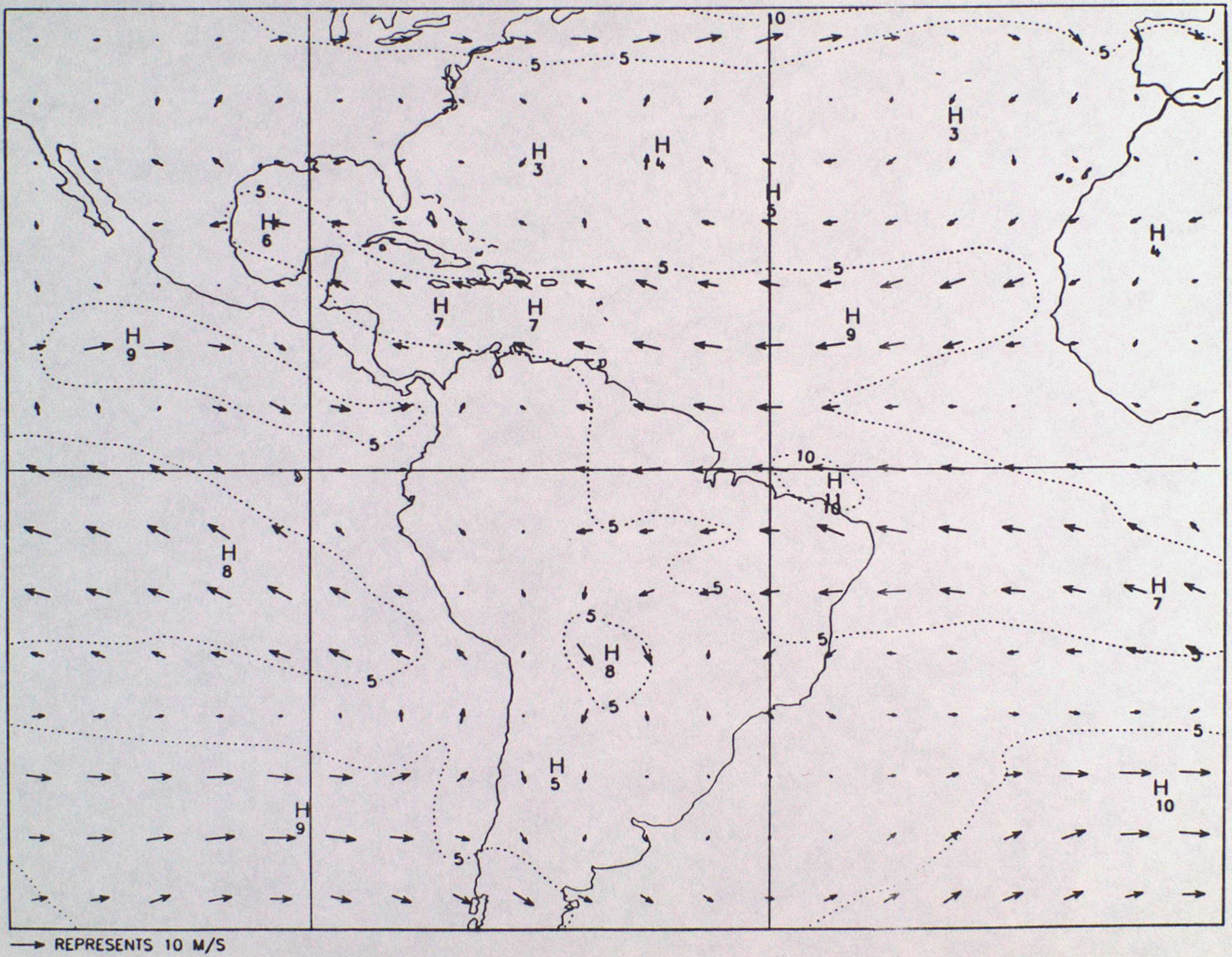
5
H
H
10
5
10

→ REPRESENTS 10 M/S

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
850 MBS. BETWEEN LONGS. 120 W - 0 W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H 5
H 9
H 10
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OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
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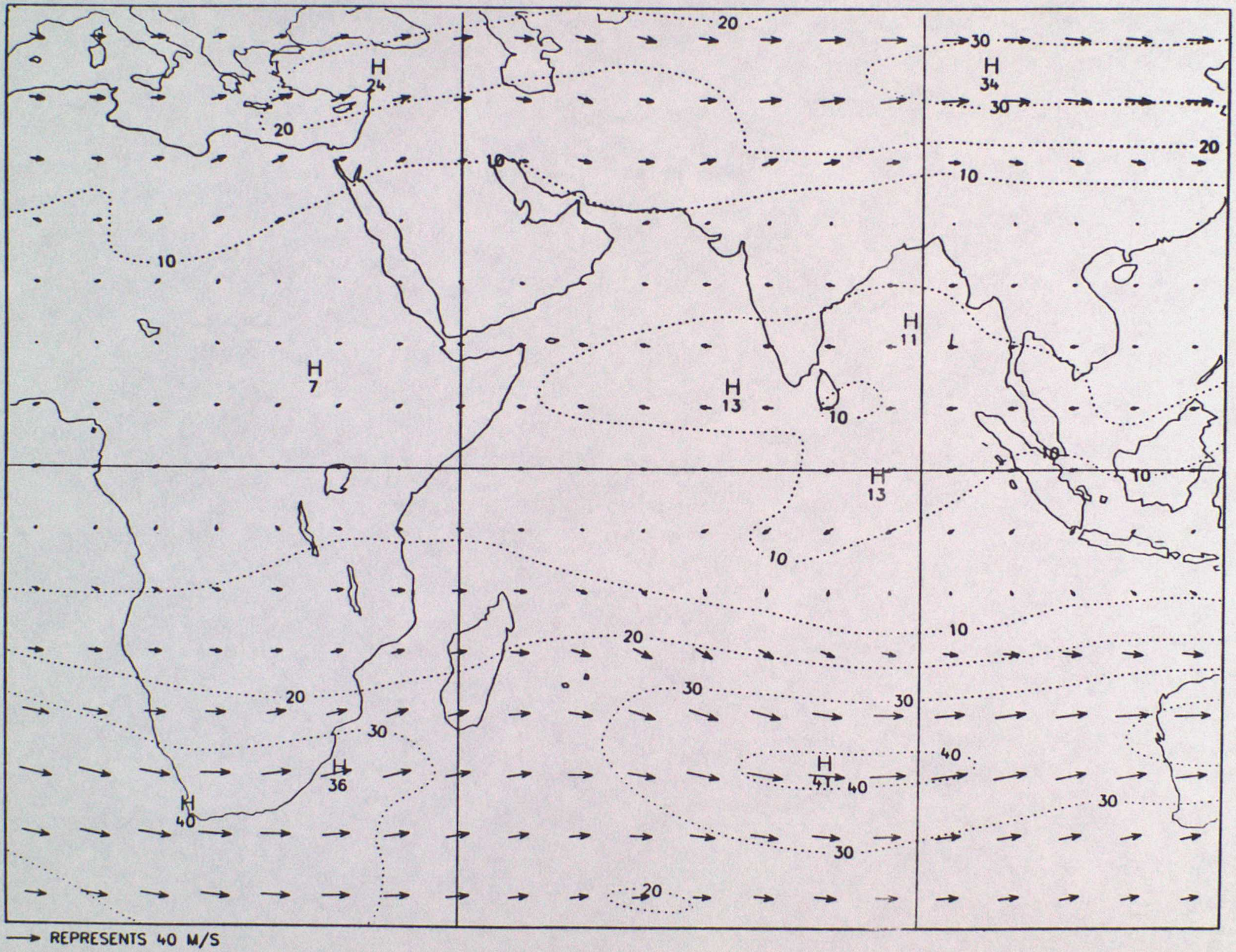
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H
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40
H
41
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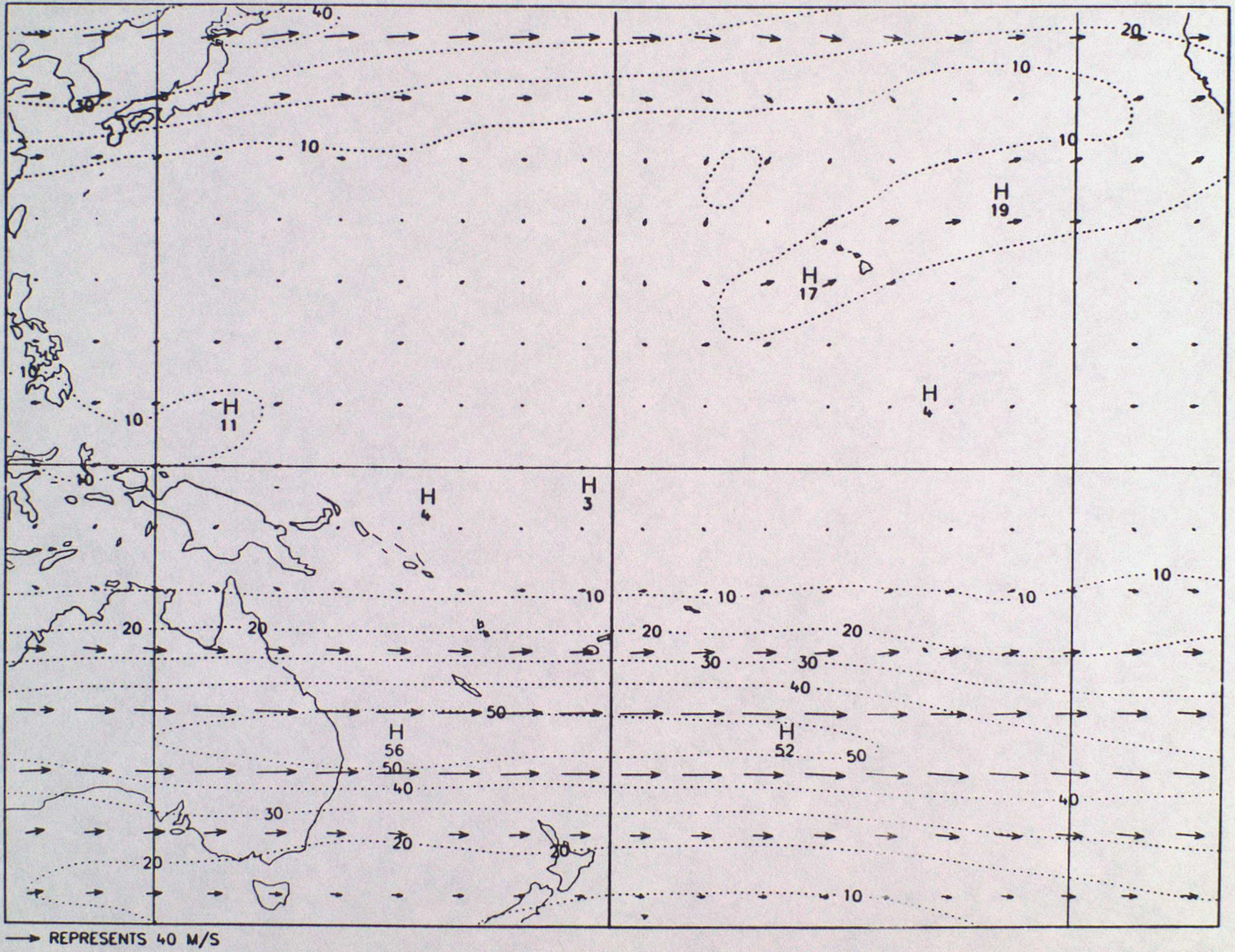
30
20
→ REPRESENTS 40 M/S

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
250 MBS. BETWEEN LONGS. 120 E - 120 W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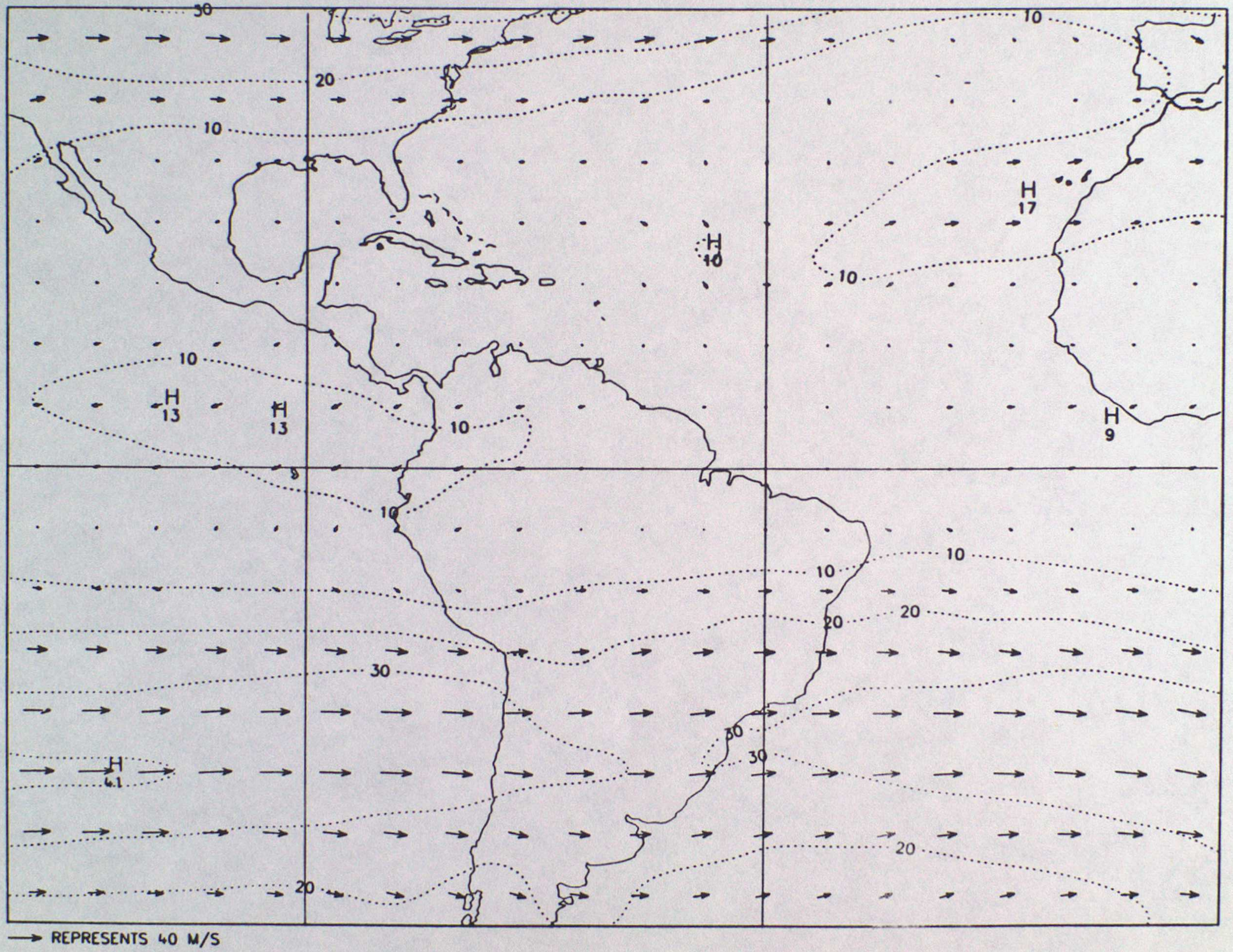
20
20
20
30
30
40
50
H
56
H
52
50
50
40
40
30
20
20
20
10
→ REPRESENTS 40 M/S

OPERATIONAL ARCHIVE MEANS. SEPTEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/9/1984 DAY 274
250 MBS. BETWEEN LONGS. 120 W - 0 W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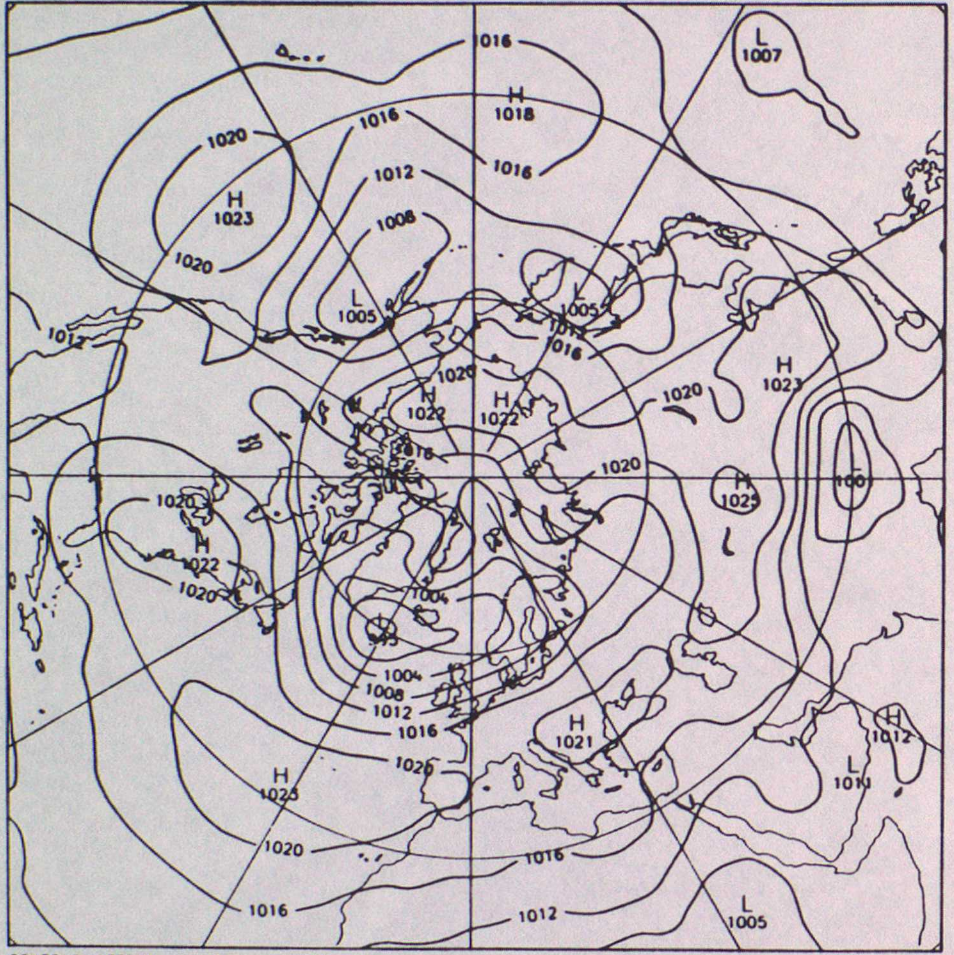
30
30
H
41
20
20
→ REPRESENTS 40 M/S

OCTOBER
1984

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
PMSL
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
LEVEL: SEA LEVEL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H 1012
L 1011
L 1005
1016
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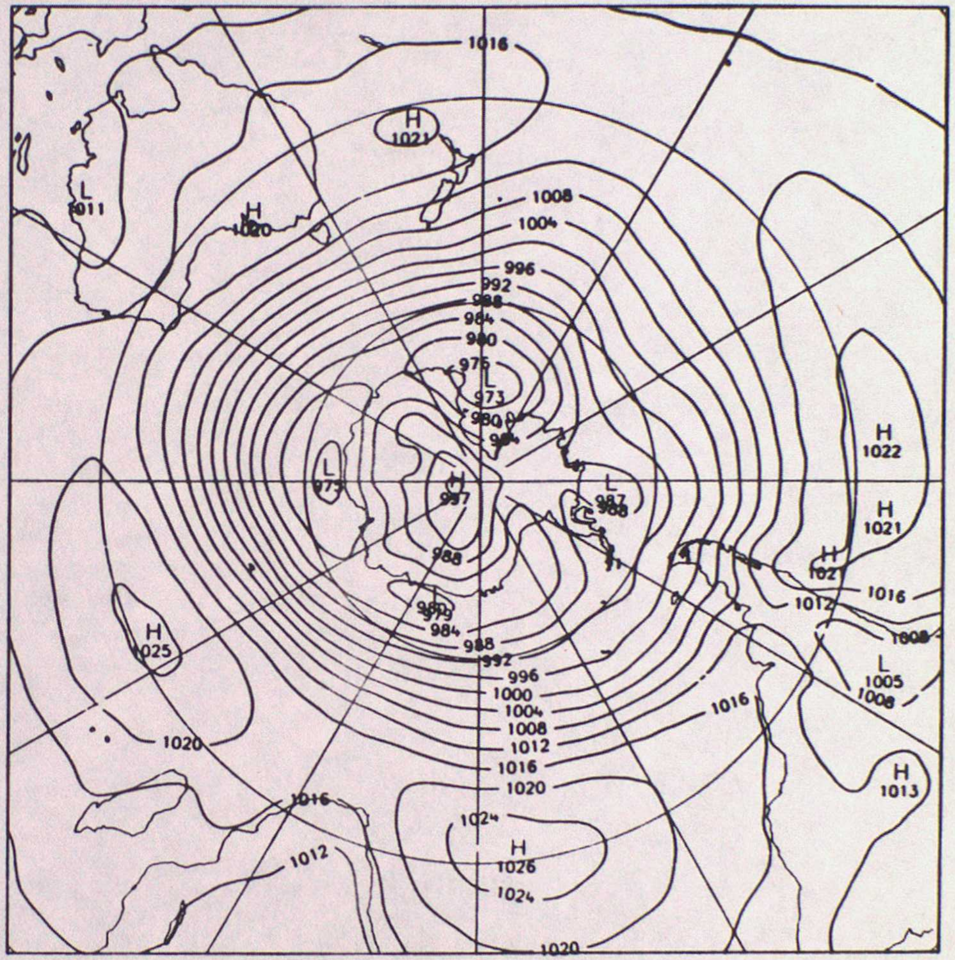
1012
1008
1004

CONTOUR INTERVAL: 4 MB UNITS: MB

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
PMSL
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
LEVEL: SEA LEVEL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1016
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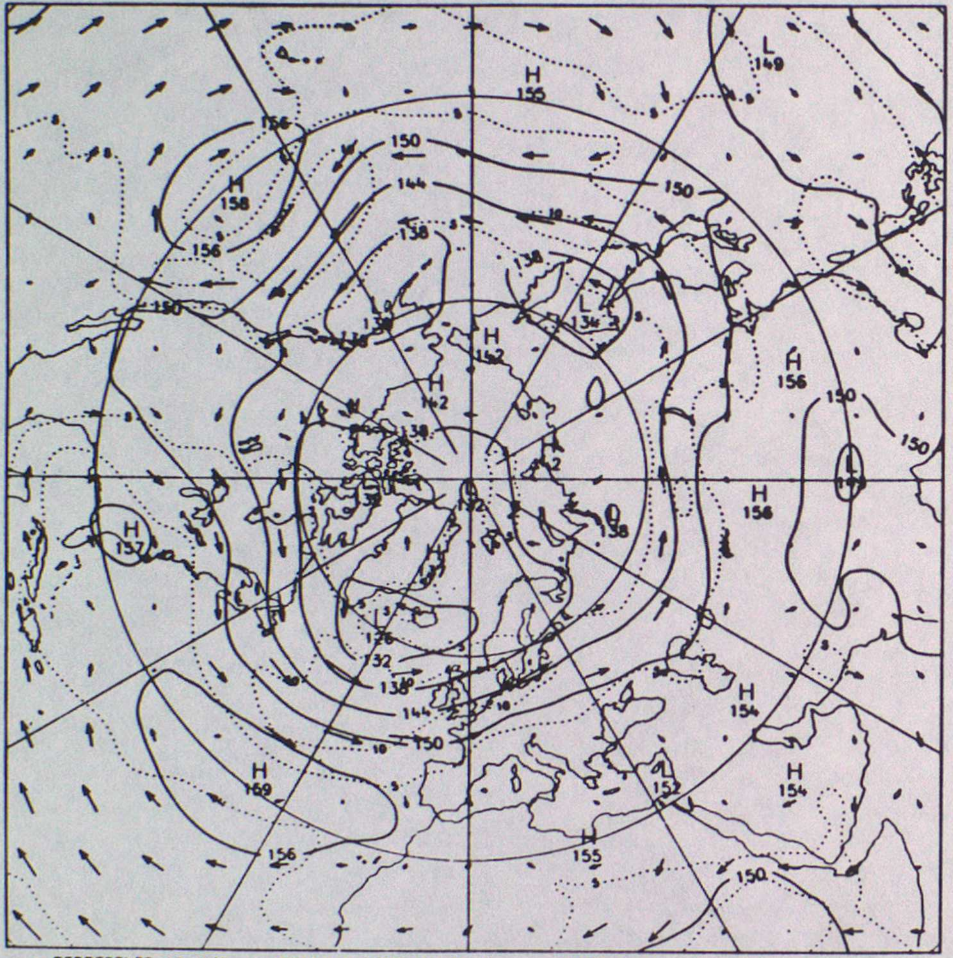
1020
1024

CONTOUR INTERVAL: 4 MB UNITS: MB

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
LEVEL: 850 MB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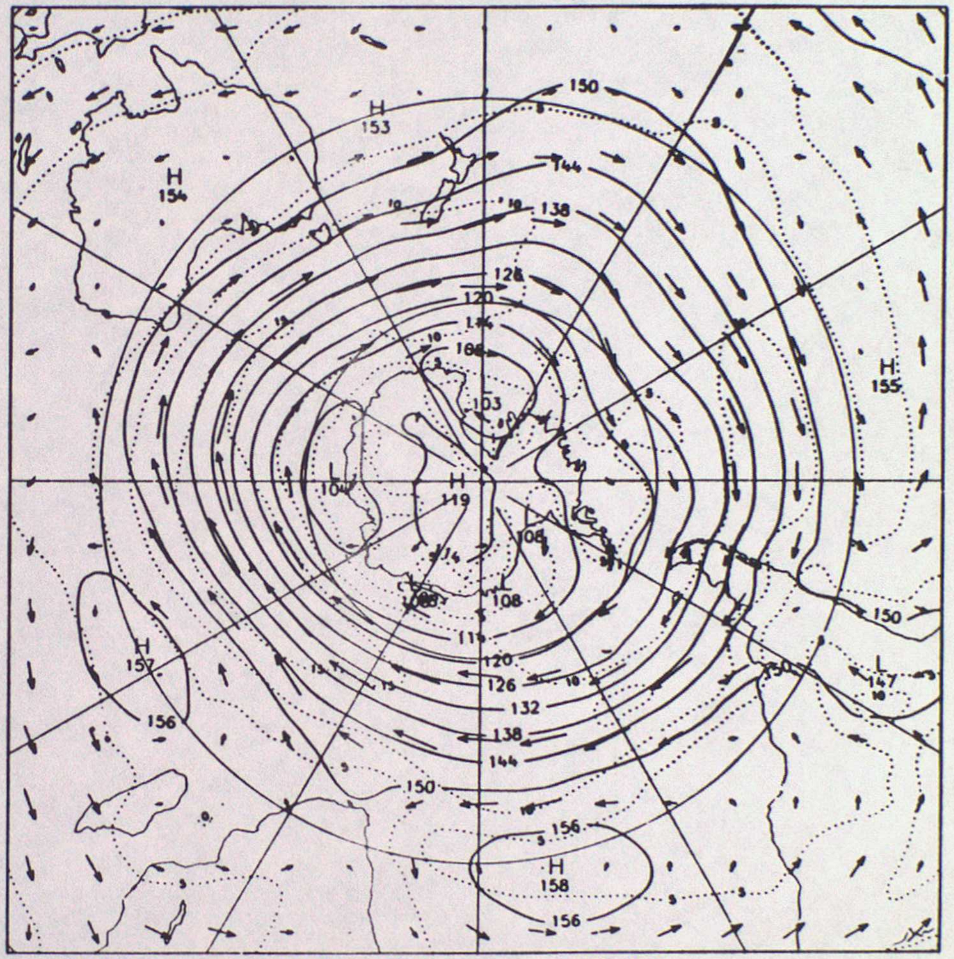
159
156
H
155
152
H
154
150

→ REPRESENTS 10 M/S CONTOUR INTERVAL: 60 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
LEVEL: 850 MB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157
156
120
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132
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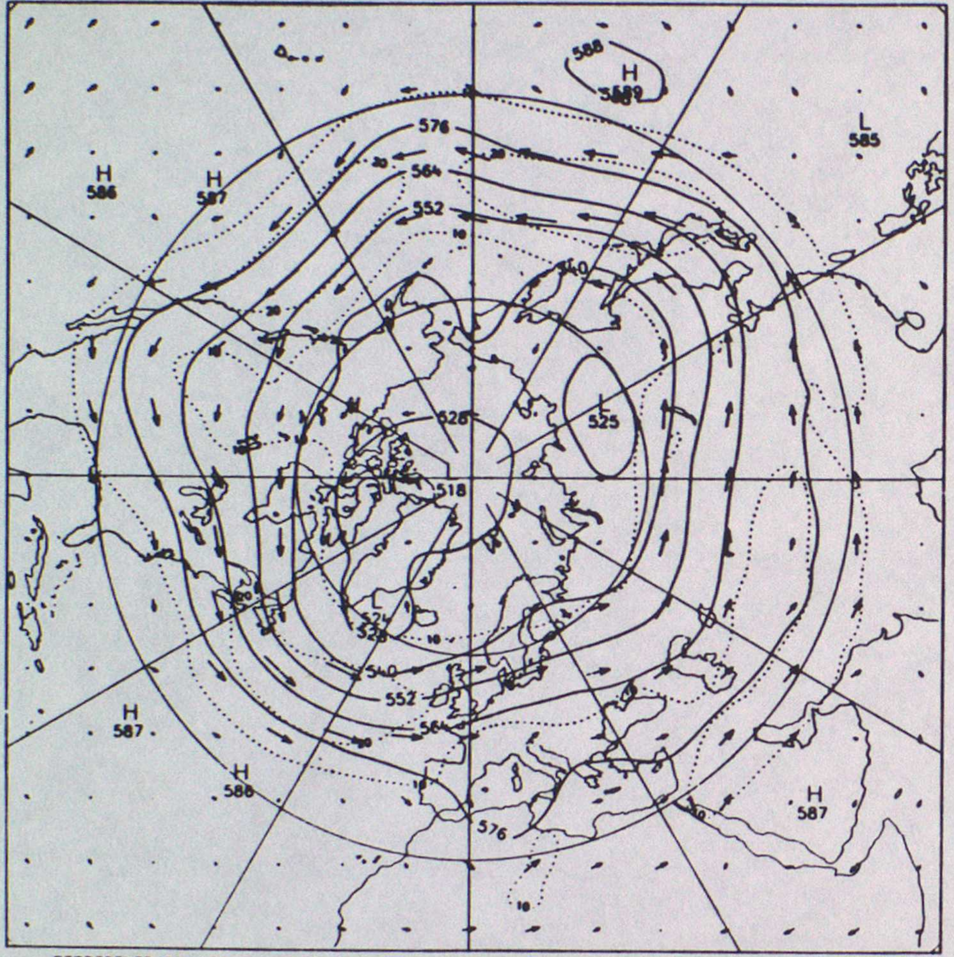
144
150
156
H
158

→ REPRESENTS 10 M/S CONTOUR INTERVAL: 60 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
LEVEL: 500 MB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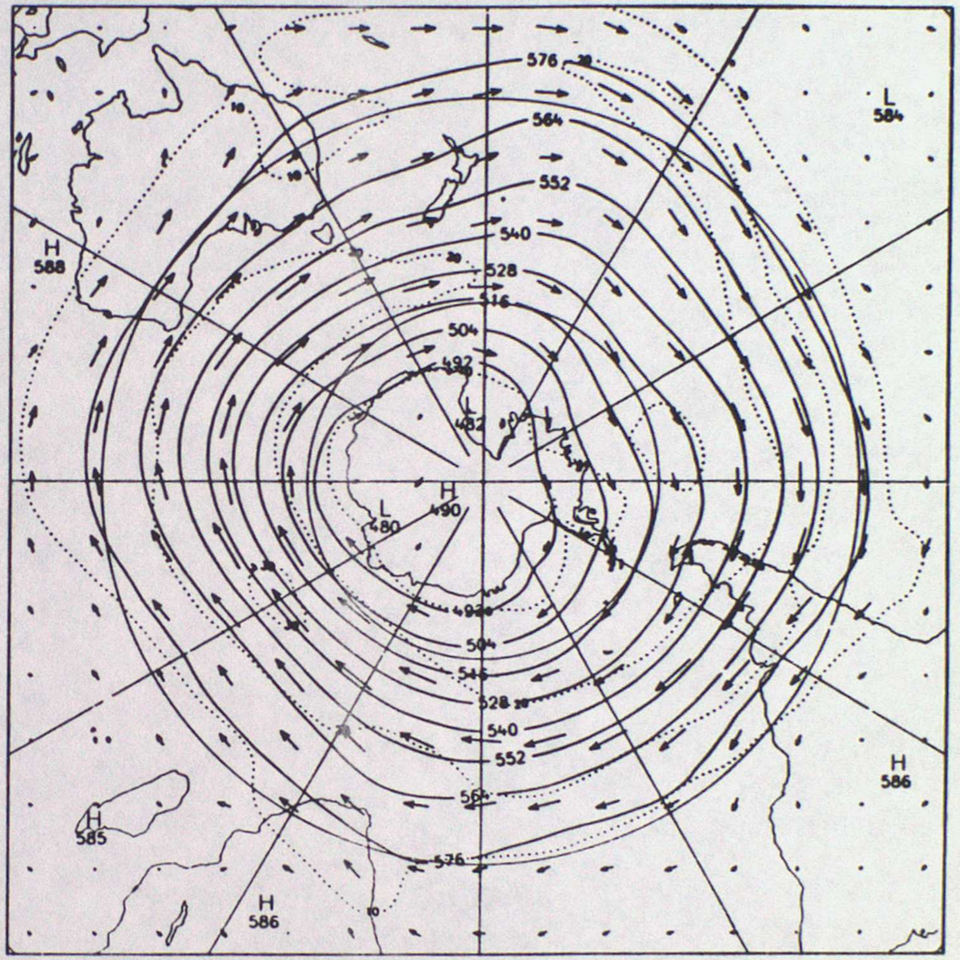
H 587
H 586
H 587
576
10

→ REPRESENTS 20 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
LEVEL: 500 MB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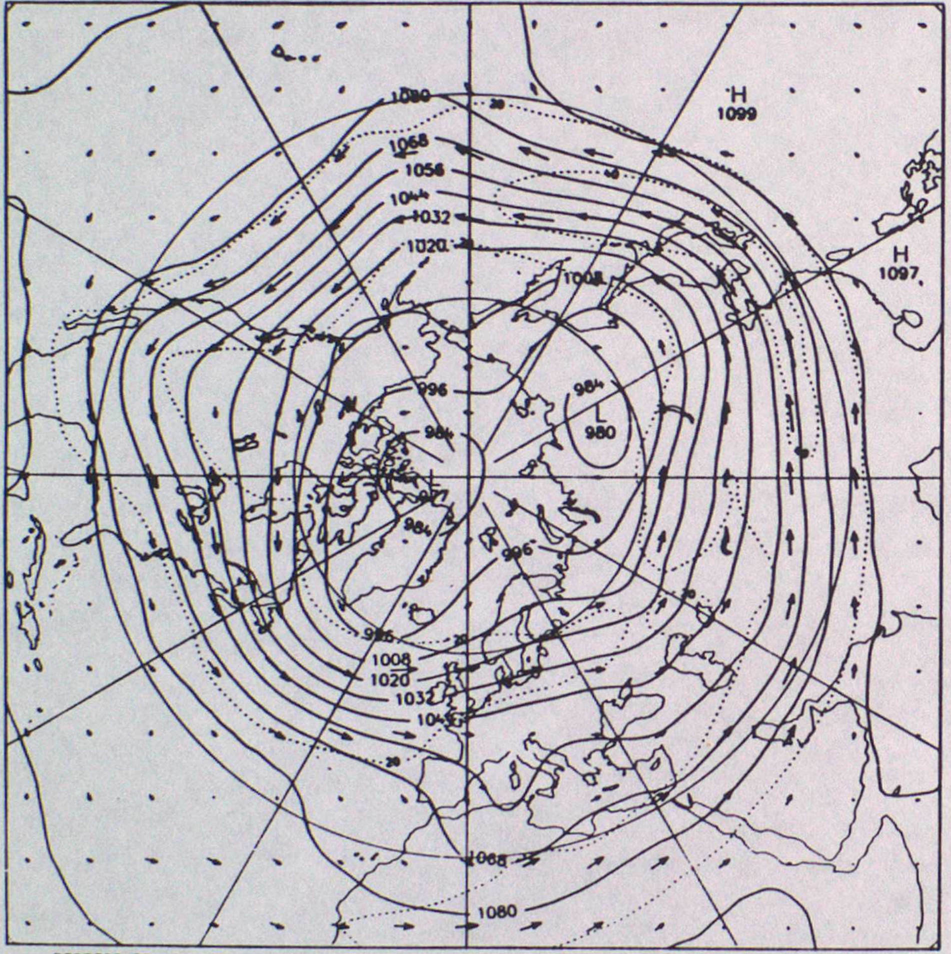
564
576
H 586
H 585
H 586
10

→ REPRESENTS 20 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
LEVEL: 250 MB


1080
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1008
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L
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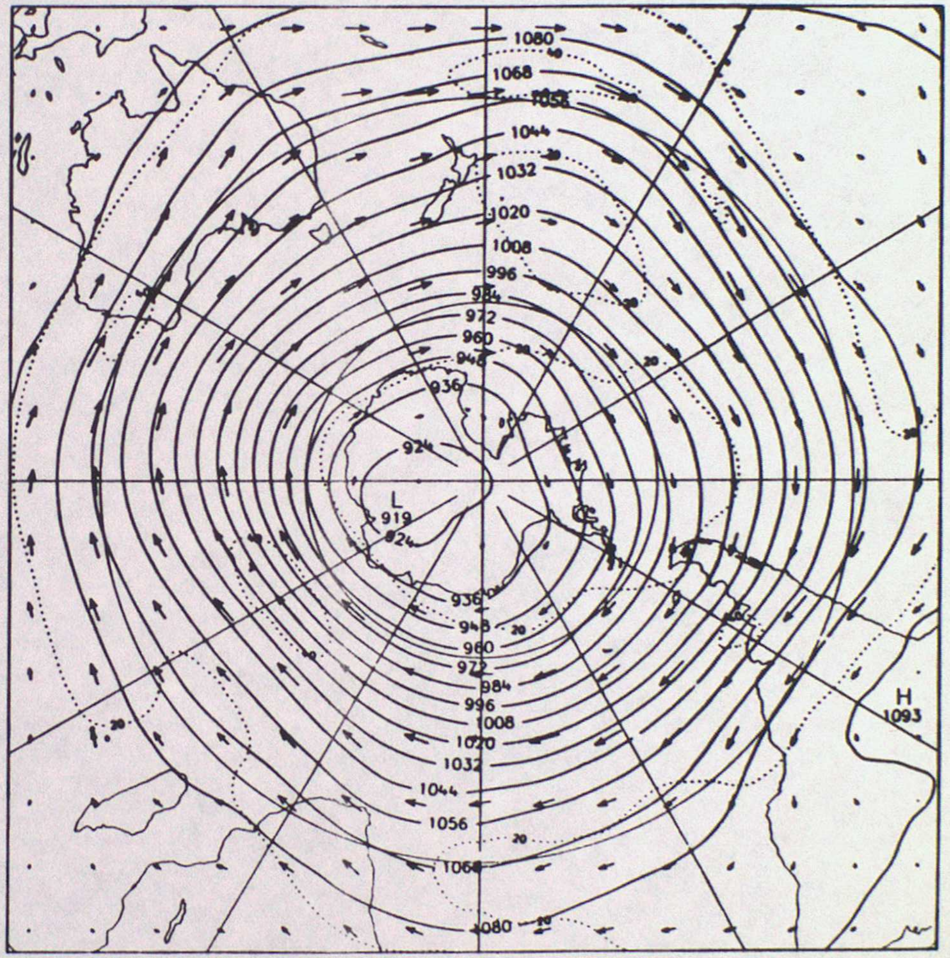
→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
LEVEL: 250 MB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1008
996
984
972
960
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936
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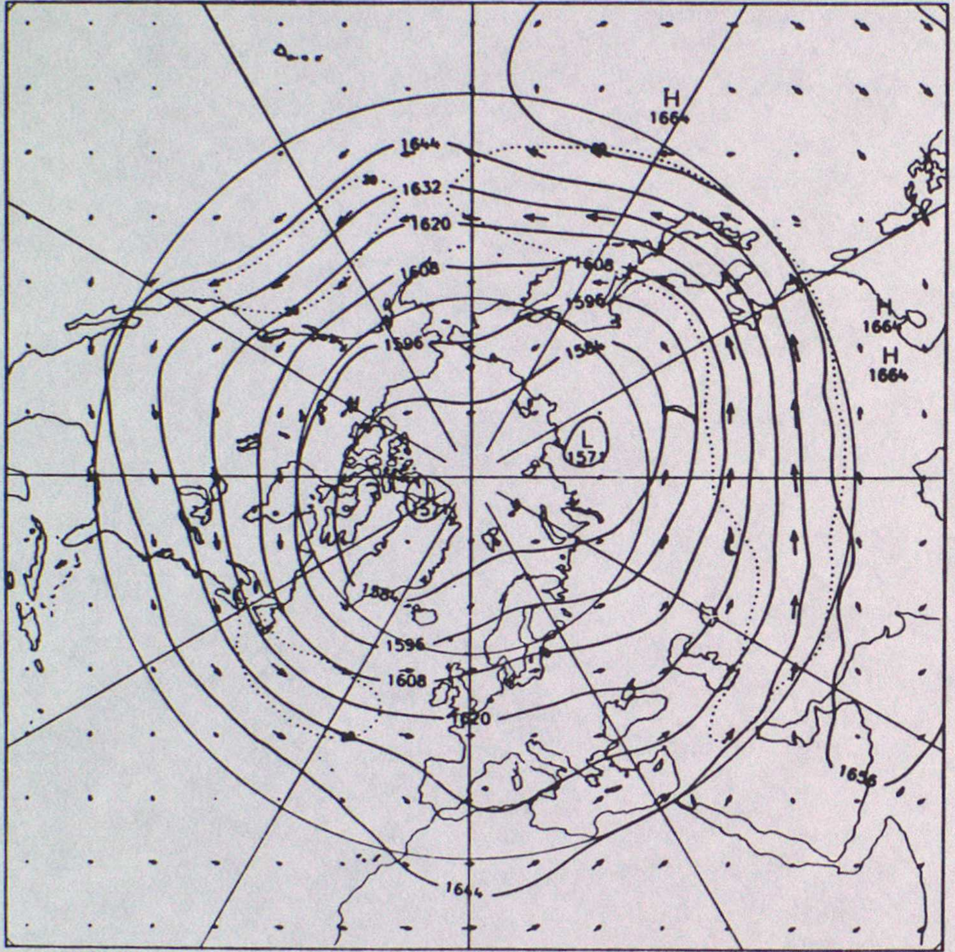
L
919
H
1093
20
40

→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
LEVEL: 100 MB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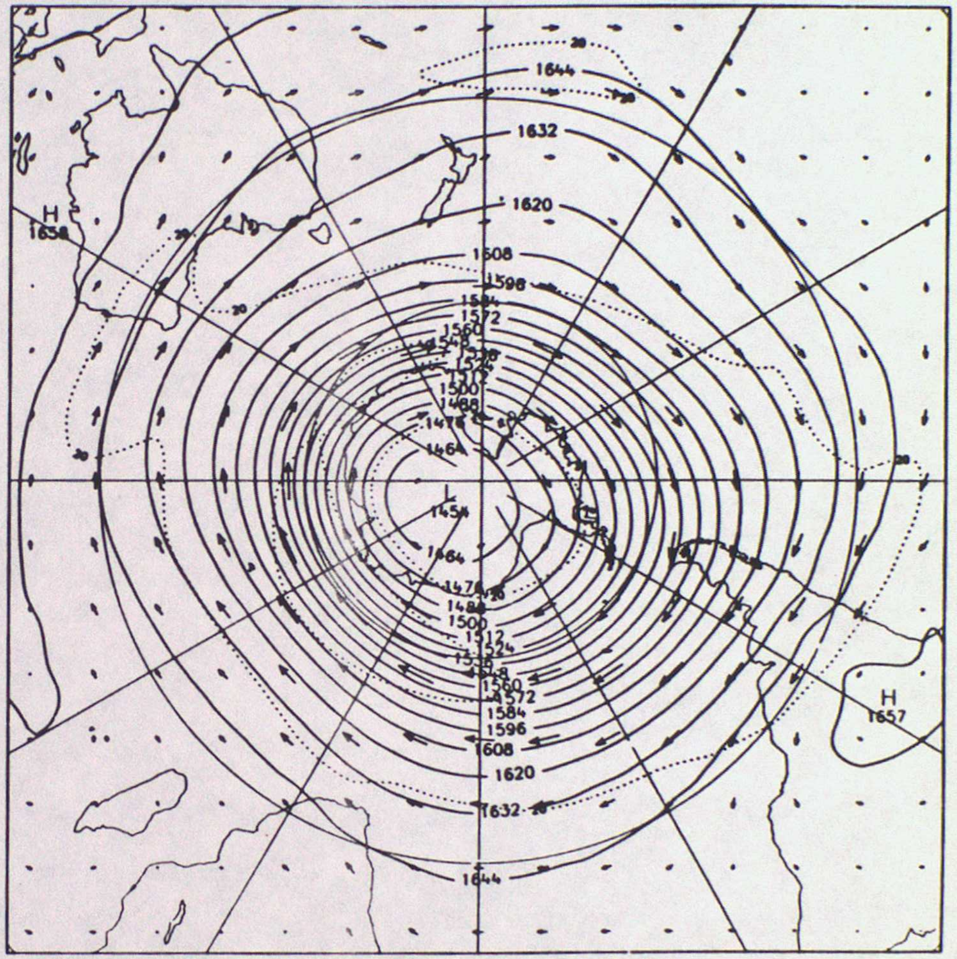
1664
H
1664
1656
20

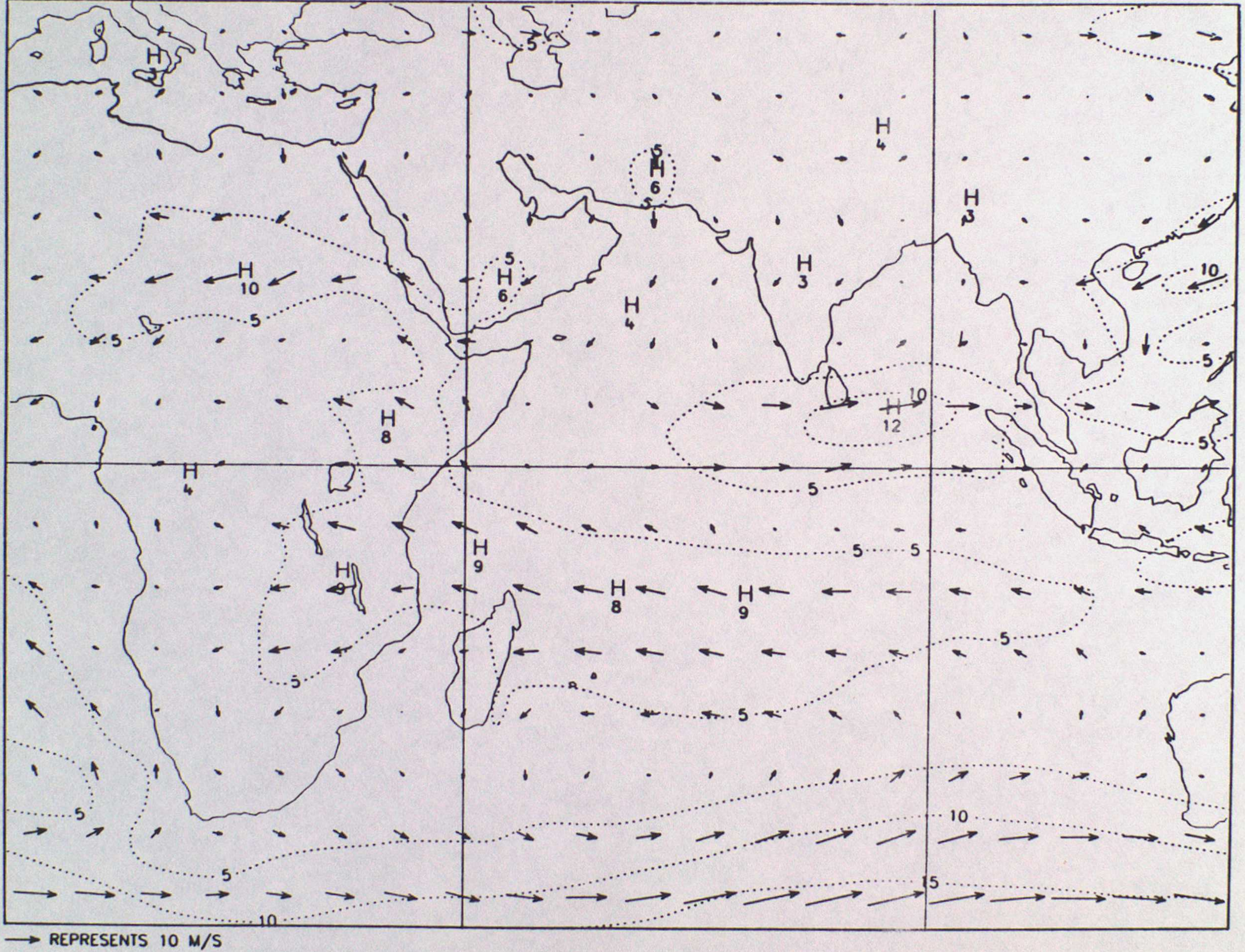
→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
LEVEL: 100 MB

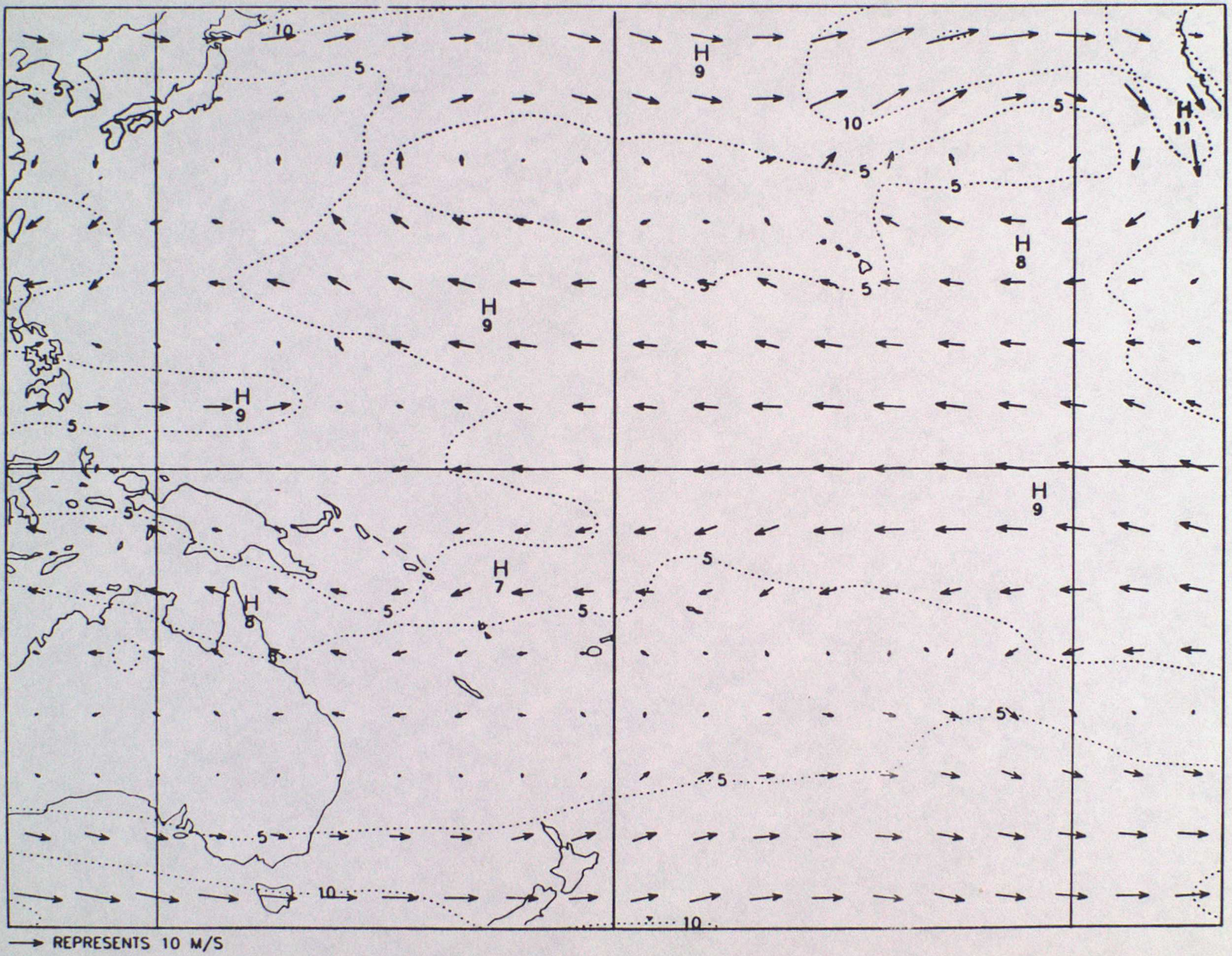

1644
1632
1620
1608
1598
1584
1572
1560
1536
1524
1512
1500
1488
1476
1464
L
1454
1464
1476
1488
1500
1512
1524
1536
1548
1560
1572
1584
1596
1608
1620
1632
1644
H
1658
H
1657
20

→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

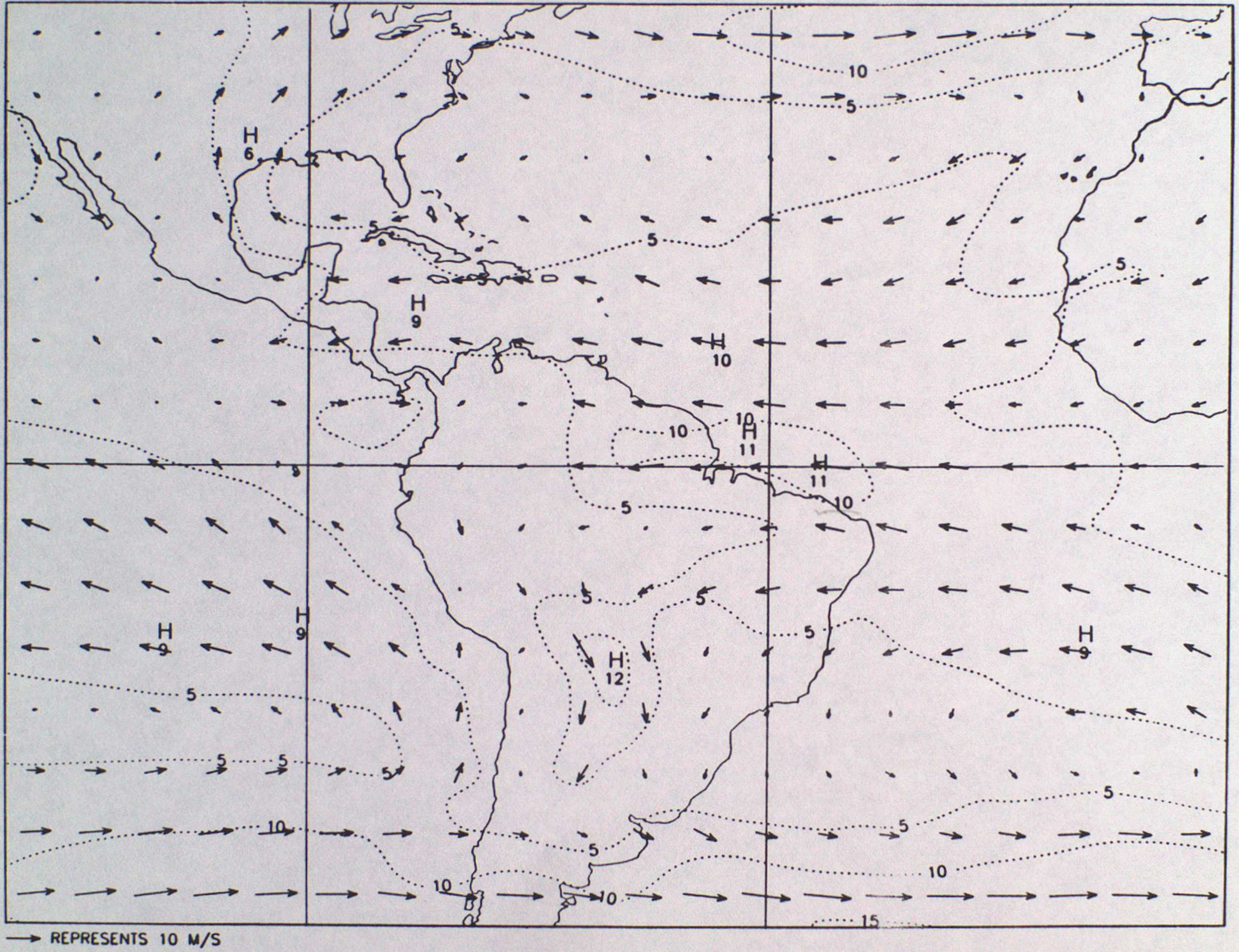
OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
850 MBS. BETWEEN LONGS. 0 E - 120 E


H 3
H 10
H 6
H 4
H 8
H 9
H 12
H 3
H 4
5
10
15
→ REPRESENTS 10 M/S

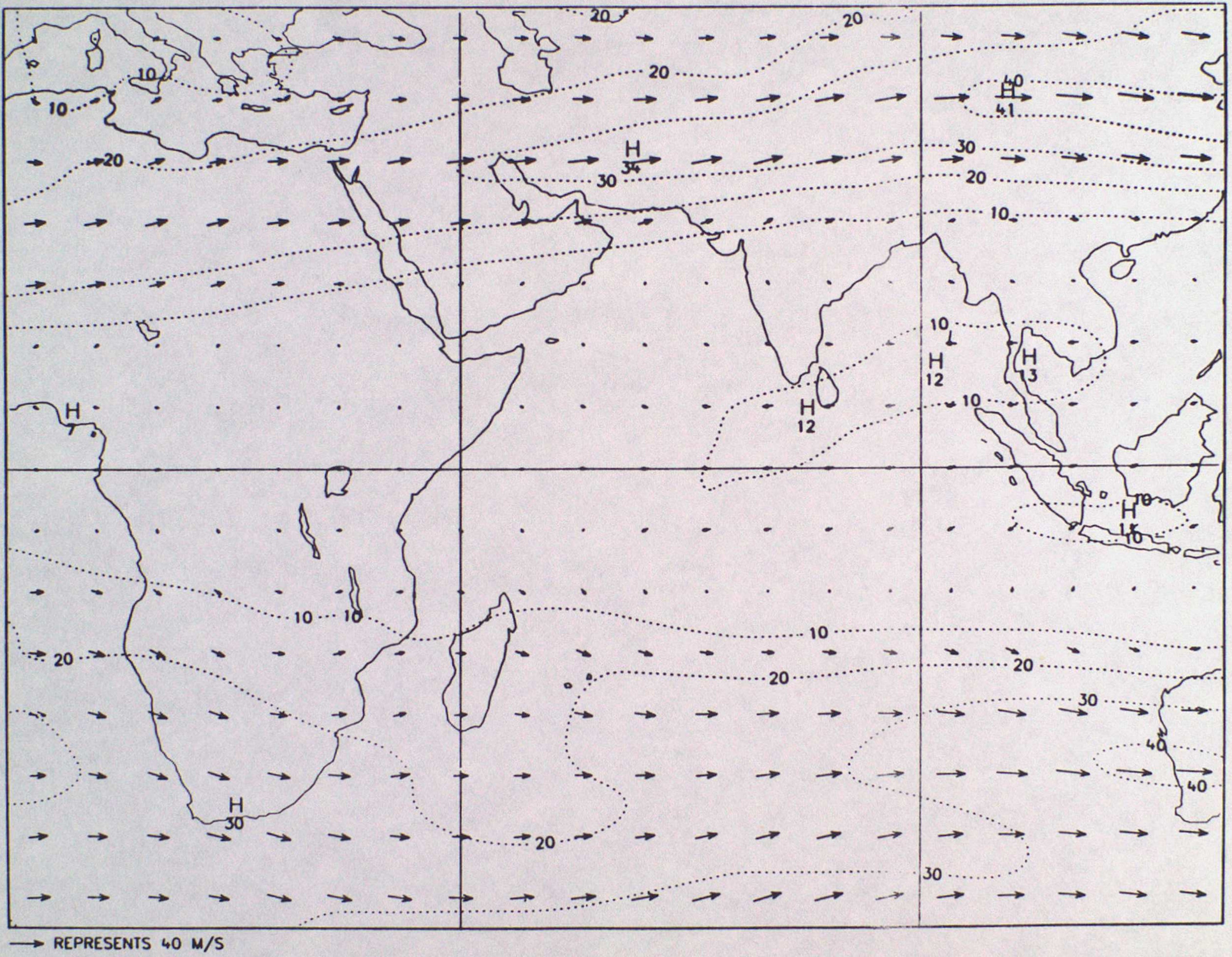
OPERATIONAL ARCHIVE MEANS.   OCTOBER   1984
WIND ARROWS AND ISOTACHS   BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
850 MBS.   BETWEEN LONGS. 120 E - 120 W


H
9
H
8
H
11
H
7
5
10
→ REPRESENTS 10 M/S

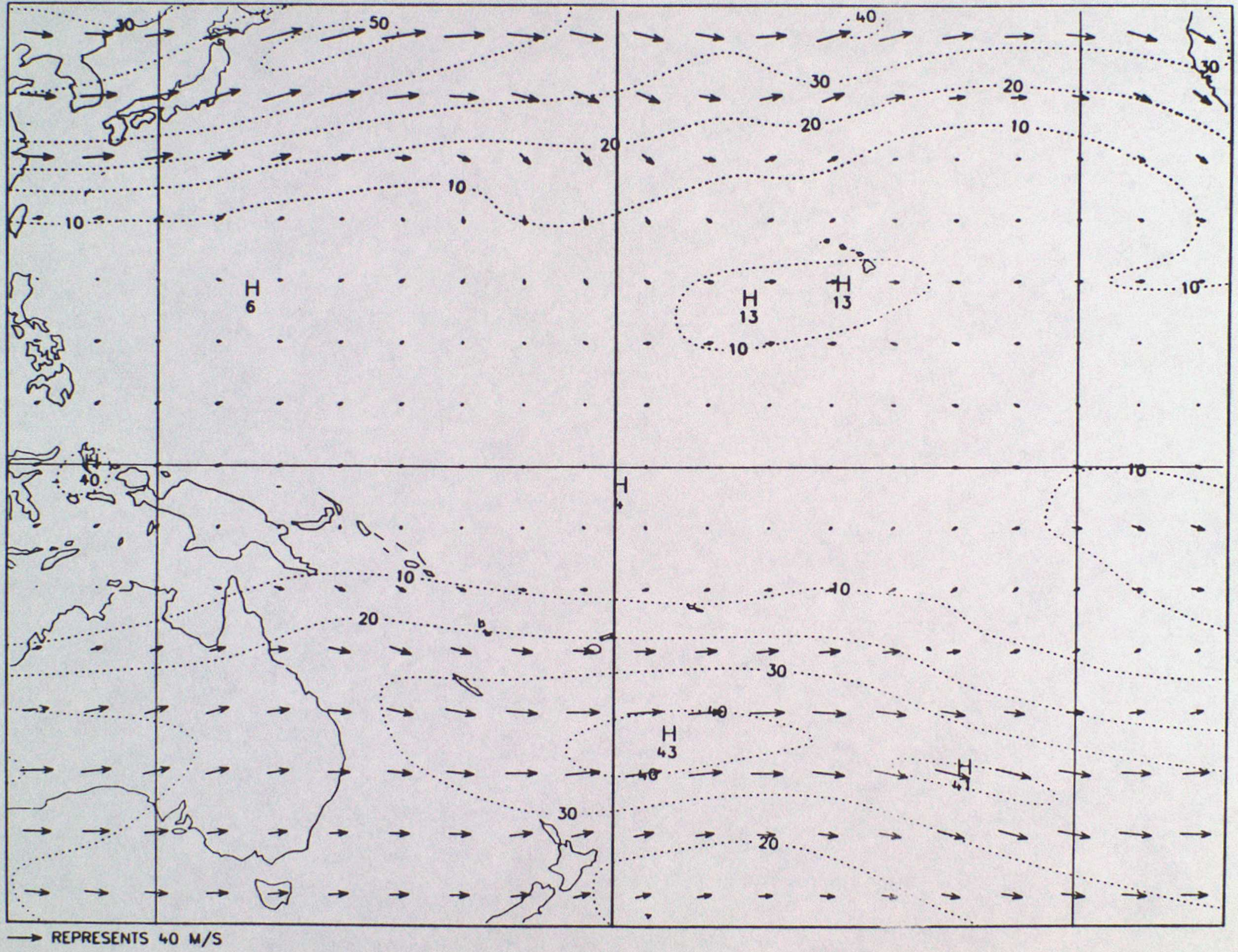
OPERATIONAL ARCHIVE MEANS.   OCTOBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
850 MBS.   BETWEEN LONGS. 120 W - 0 W


H
6
H
9
H
10
H
11
H
11
H
12
H
9
H
9
H
9
5
10
15
→ REPRESENTS 10 M/S

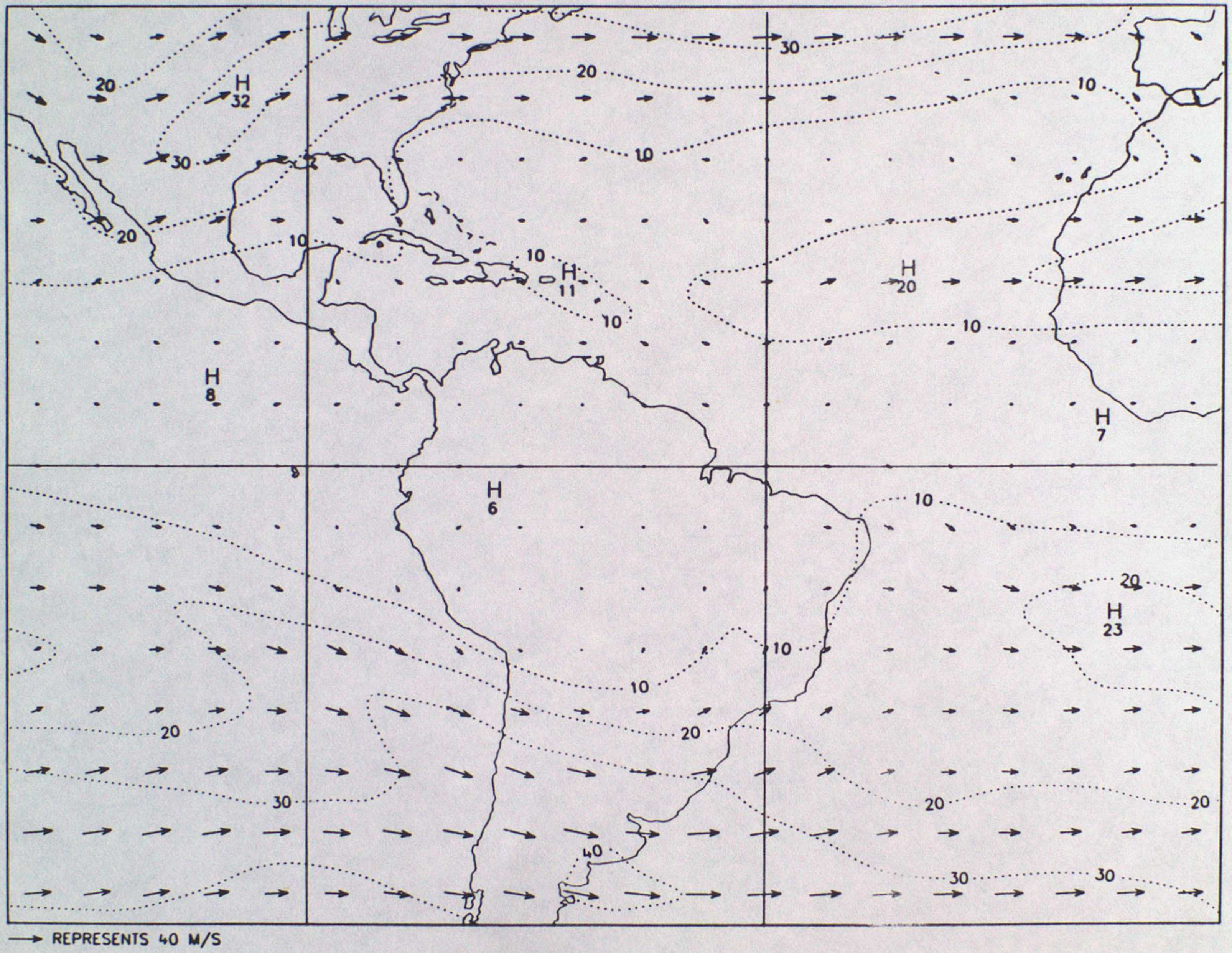
OPERATIONAL ARCHIVE MEANS.   OCTOBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
250 MBS.   BETWEEN LONGS. 0 E - 120 E


20
20
10
10
20
40
H
41
20
H
34
30
30
20
10
10
H
12
H
13
H
7
H
12
10
H
10
10
10
10
10
20
20
20
30
40
40
H
30
20
30
→ REPRESENTS 40 M/S

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
250 MBS. BETWEEN LONGS. 120 E - 120 W

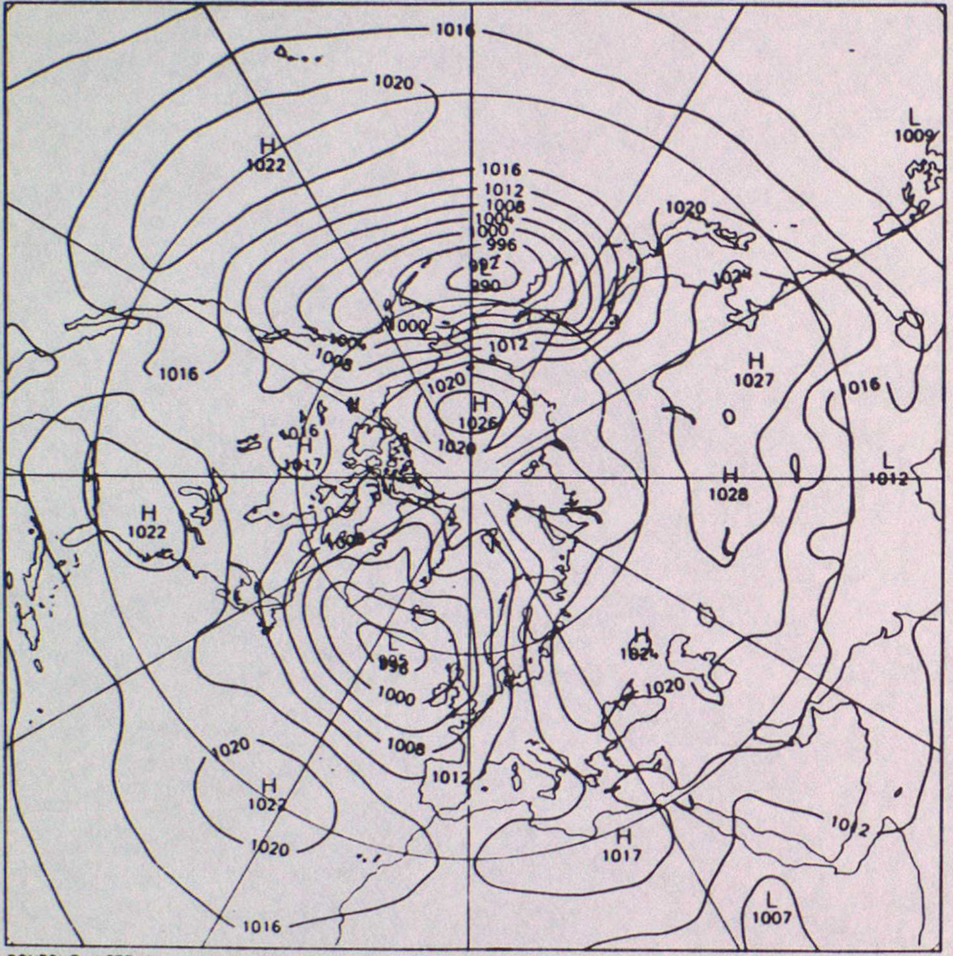

30
50
40
30
30
20
20
20
10
20
10
10
10
H
6
H
13
H
13
10
40
H
10
10
10
20
30
40
H
43
40
H
41
30
20
→ REPRESENTS 40 M/S

OPERATIONAL ARCHIVE MEANS. OCTOBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/10/1984 DAY 275 TO 12Z ON 31/10/1984 DAY 305
250 MBS. BETWEEN LONGS. 120 W - 0 W


H 32
H 8
H 11
H 20
H 7
H 6
H 23
10
20
30
40
→ REPRESENTS 40 M/S

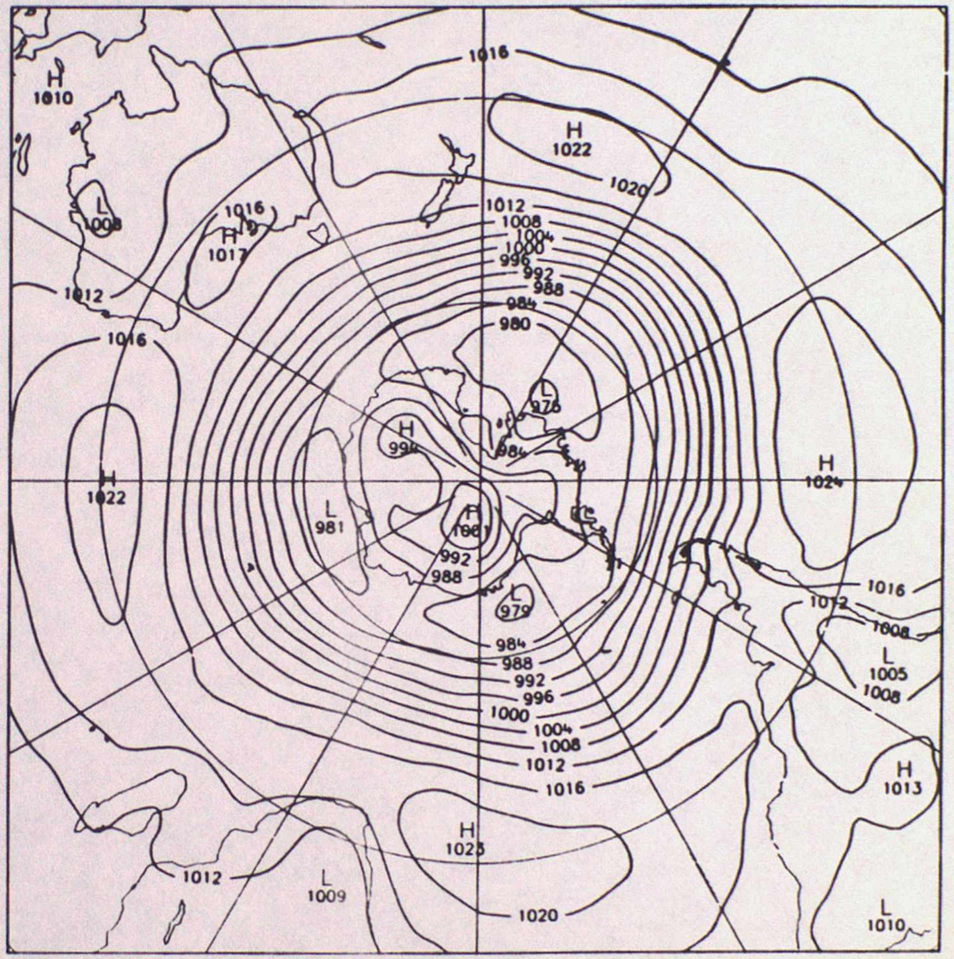
NOVEMBER
1984

OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
PMSL
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
LEVEL: SEA LEVEL


H 1022
L 1009
H 1027
H 1026
H 1028
L 1012
H 1022
H 1017
L 995
H 1024
H 1022
H 1017
L 1007
1016
1020
1012
1008
1004
1000
996
992
990

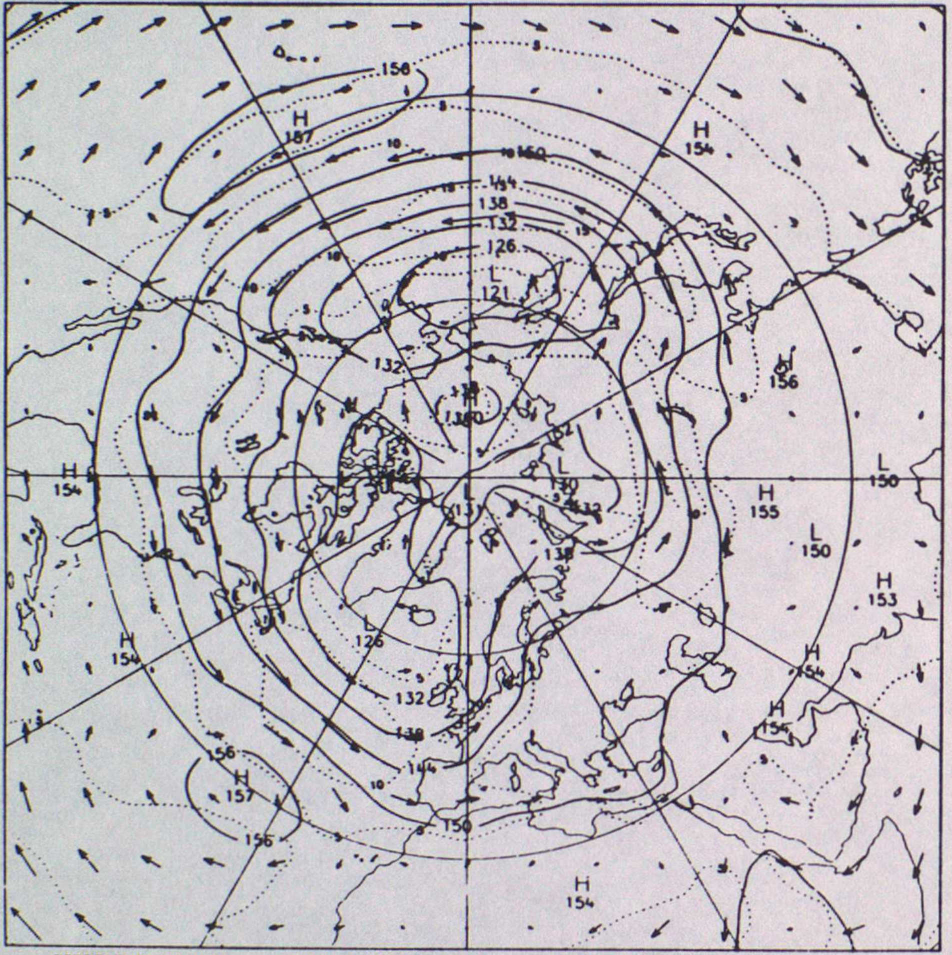
CONTOUR INTERVAL: 4 MB UNITS: MB

OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
PMSL
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
LEVEL: SEA LEVEL


H 1010
L 1008
H 1017
H 1022
H 1022
L 976
H 994
L 981
H 981
L 979
H 1024
L 1005
H 1013
H 1023
L 1009
L 1010
1016
1012
1008
1004
1000
996
992
988
984
980
1020

CONTOUR INTERVAL: 4 MB UNITS: MB

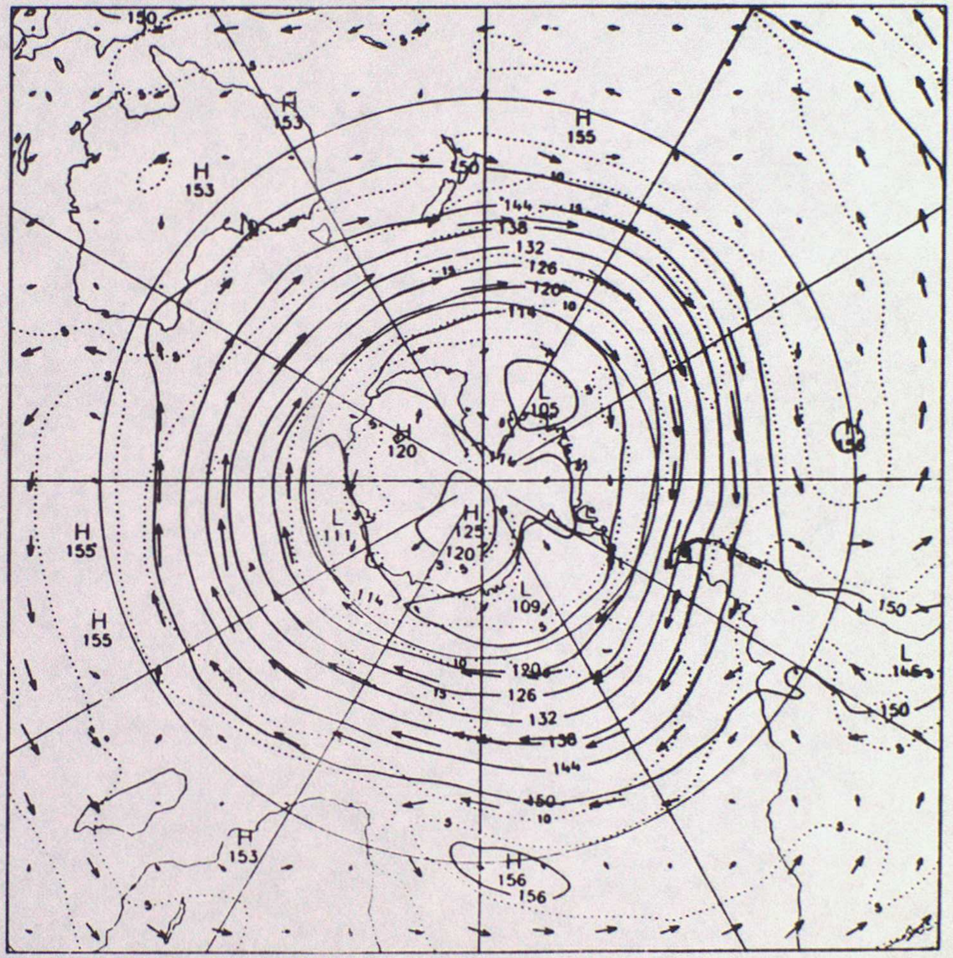
OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 850 MB



H 157
H 154
H 156
L 150
H 155
L 150
H 153
H 154
H 154
H 154
H 157
H 154
L 121
L 126
150
144
138
132
126
132
138
144
150
156

→ REPRESENTS 10 M/S CONTOUR INTERVAL: 60 M UNITS: 10 M

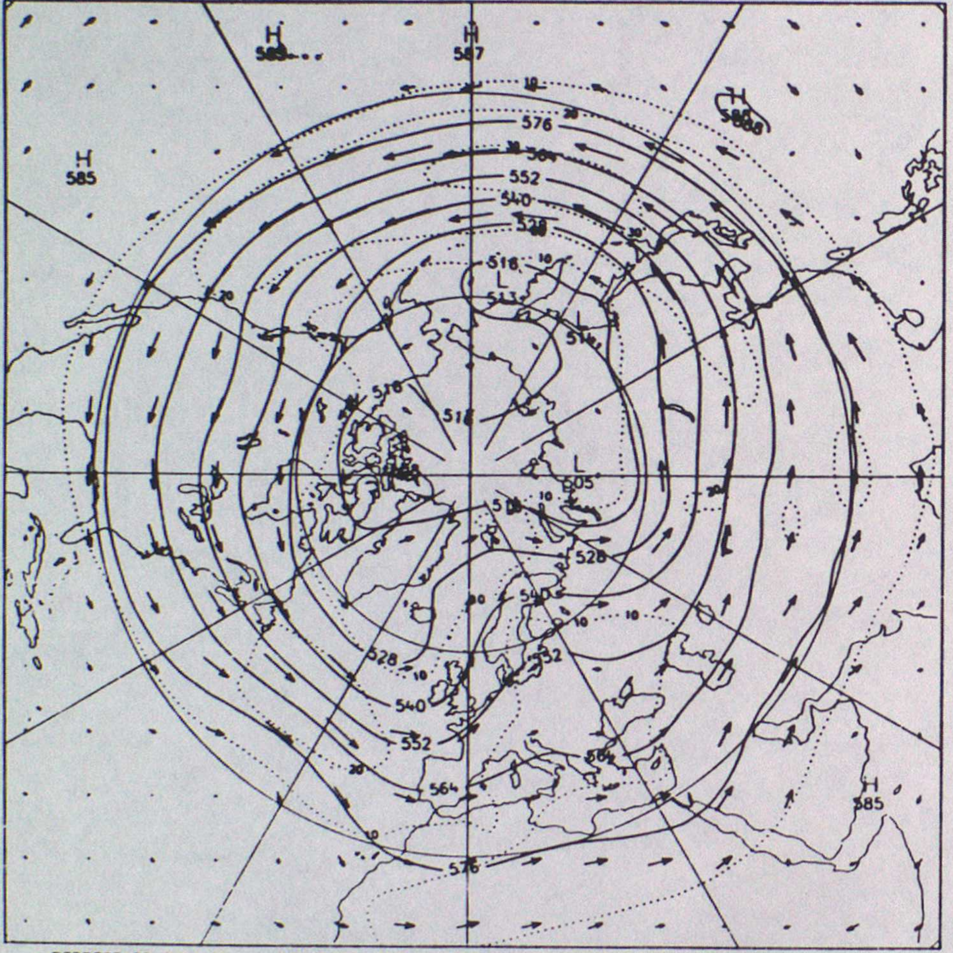
OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 850 MB



150
H 153
H 153
H 155
H 155
H 155
H 120
L 105
H 125
L 111
L 109
L 146
H 153
H 156
156
150
144
138
132
126
120
114

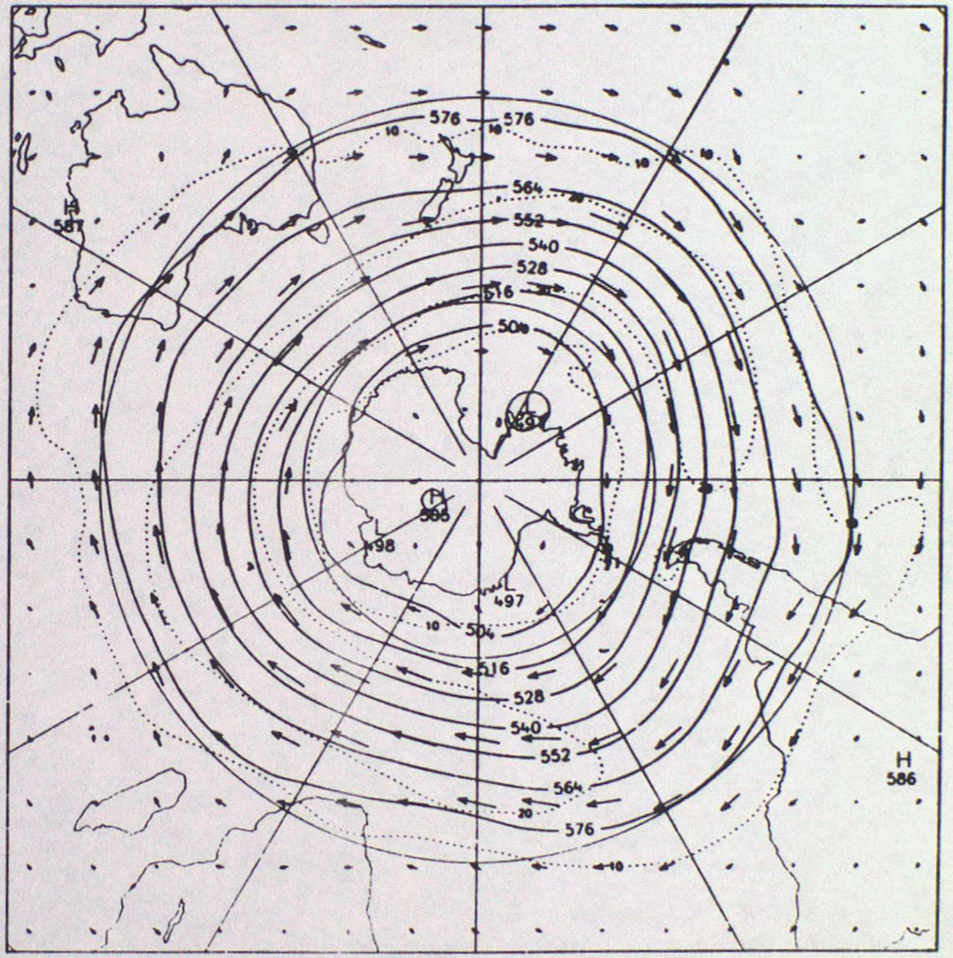
→ REPRESENTS 10 M/S CONTOUR INTERVAL: 60 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 500 MB


H
585
H
587
H
585
576
564
552
540
528
516
L
518
L
505
528
540
552
564
576
H
585
10
20
30

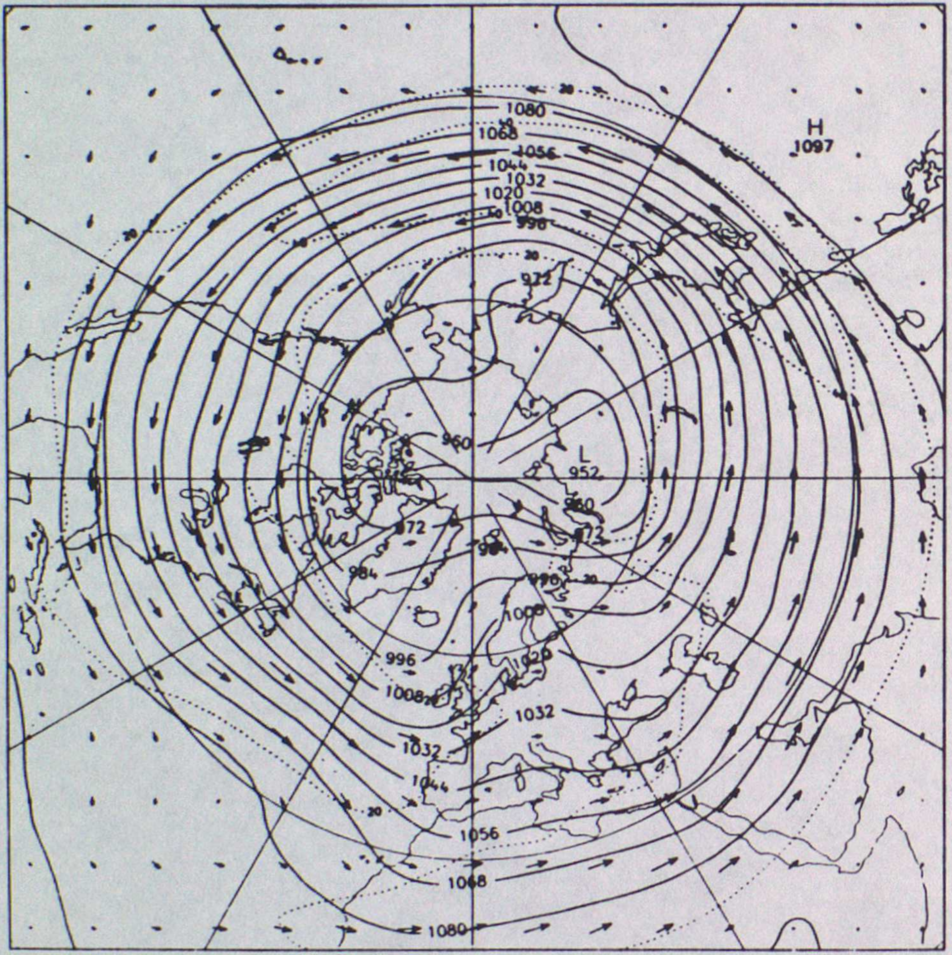
→ REPRESENTS 20 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 500 MB


576
576
10
H
587
564
552
540
528
516
504
H
498
L
497
504
516
528
540
552
564
576
20
10
H
586

→ REPRESENTS 20 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

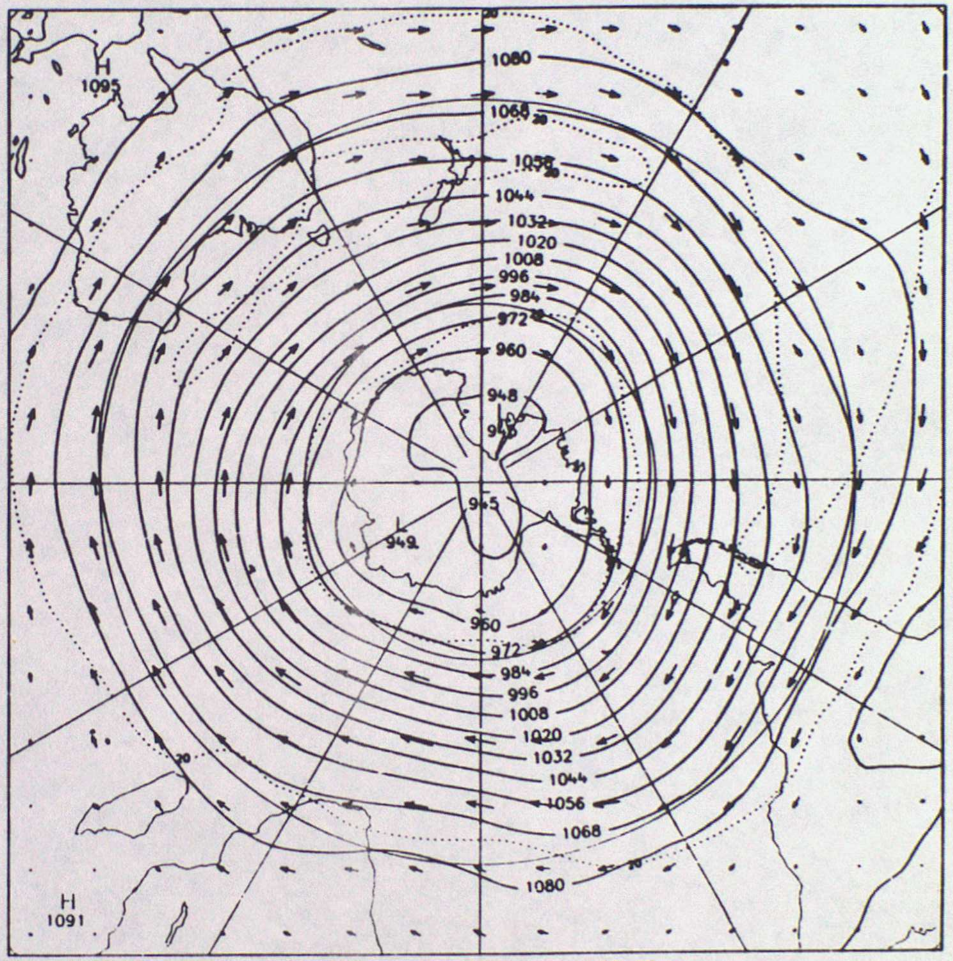
OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 250 MB



H
1097
L
952
960
972
984
996
1008
1020
1032
1044
1056
1068
1080
20

→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

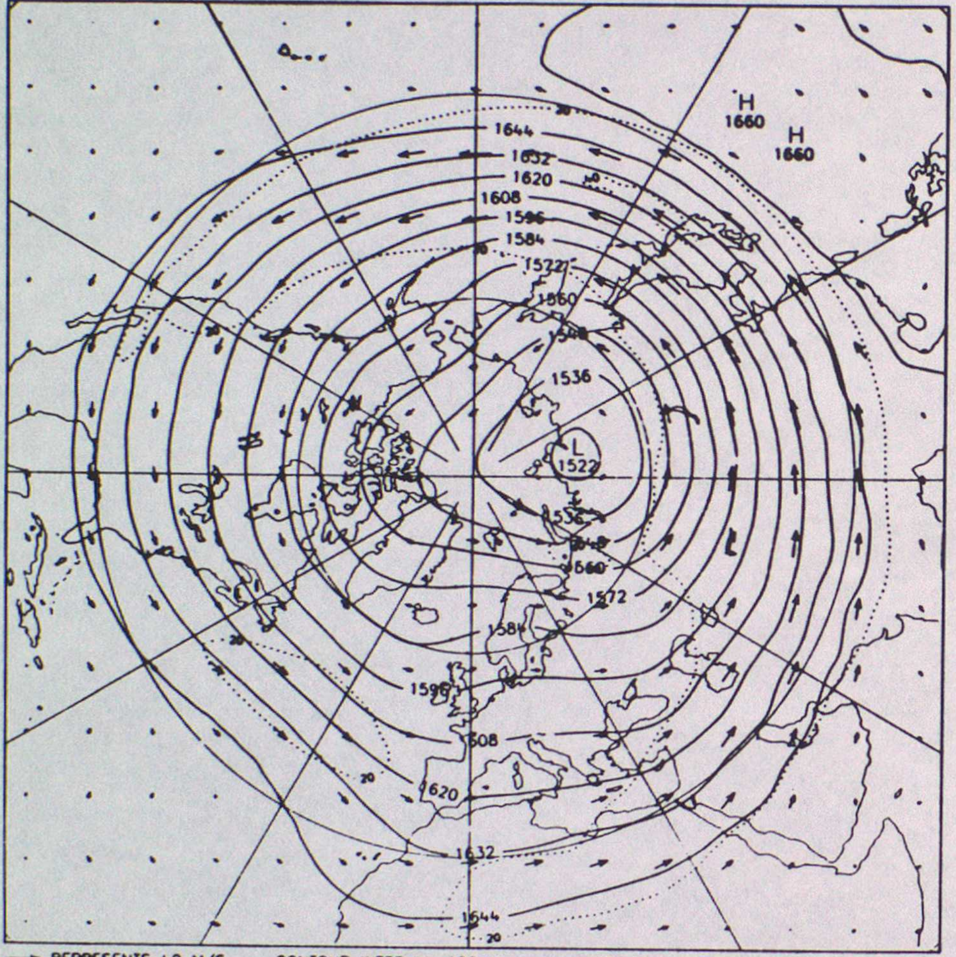
OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 250 MB



H
1095
H
1091
L
942
945
948
960
972
984
996
1008
1020
1032
1044
1056
1068
1080
20

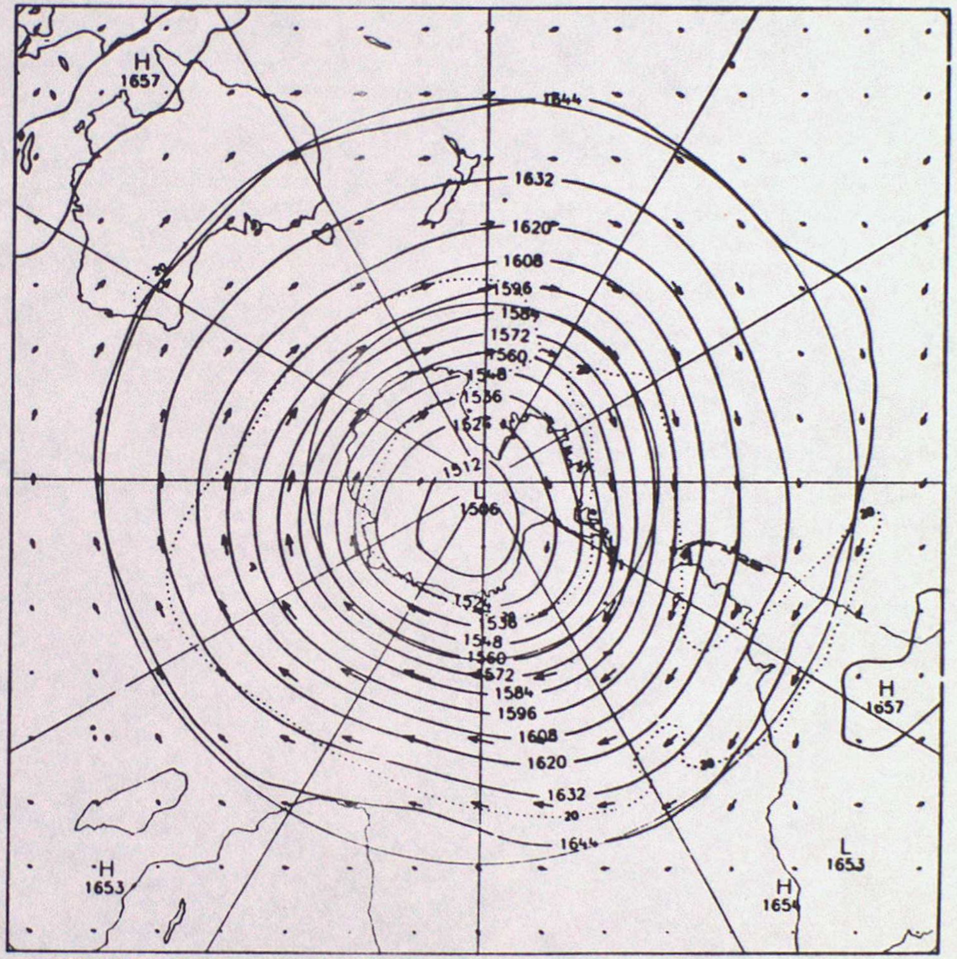
→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 100 MB


H
1660
H
1660
1644
1632
1620
1608
1596
1584
1572
1560
1548
1536
L
1522
20

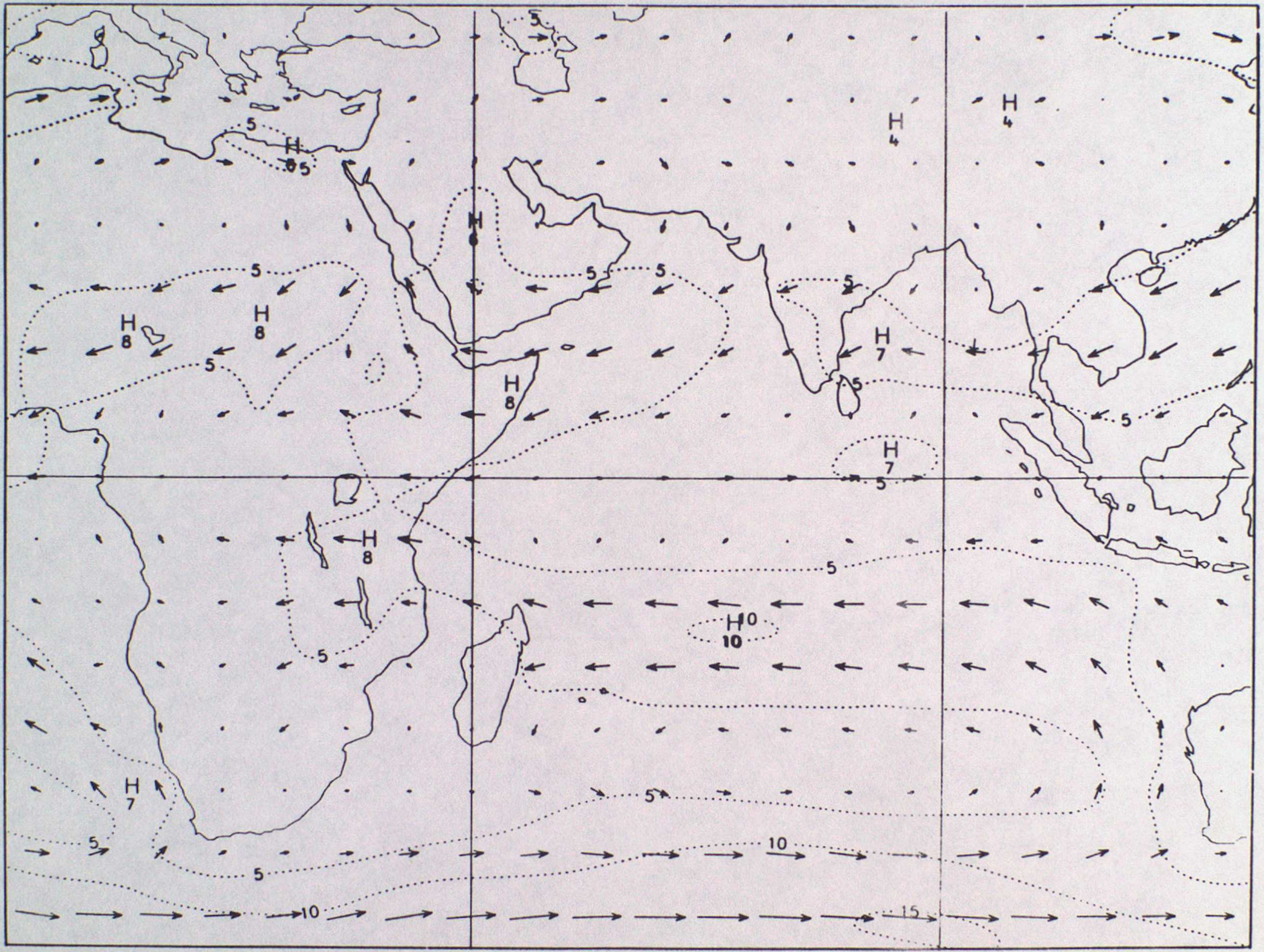
→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 100 MB


H
1657
1644
1632
1620
1608
1596
1584
1572
1560
1548
1536
1524
1512
L
1506
20
H
1657
H
1653
L
1653
H
1654

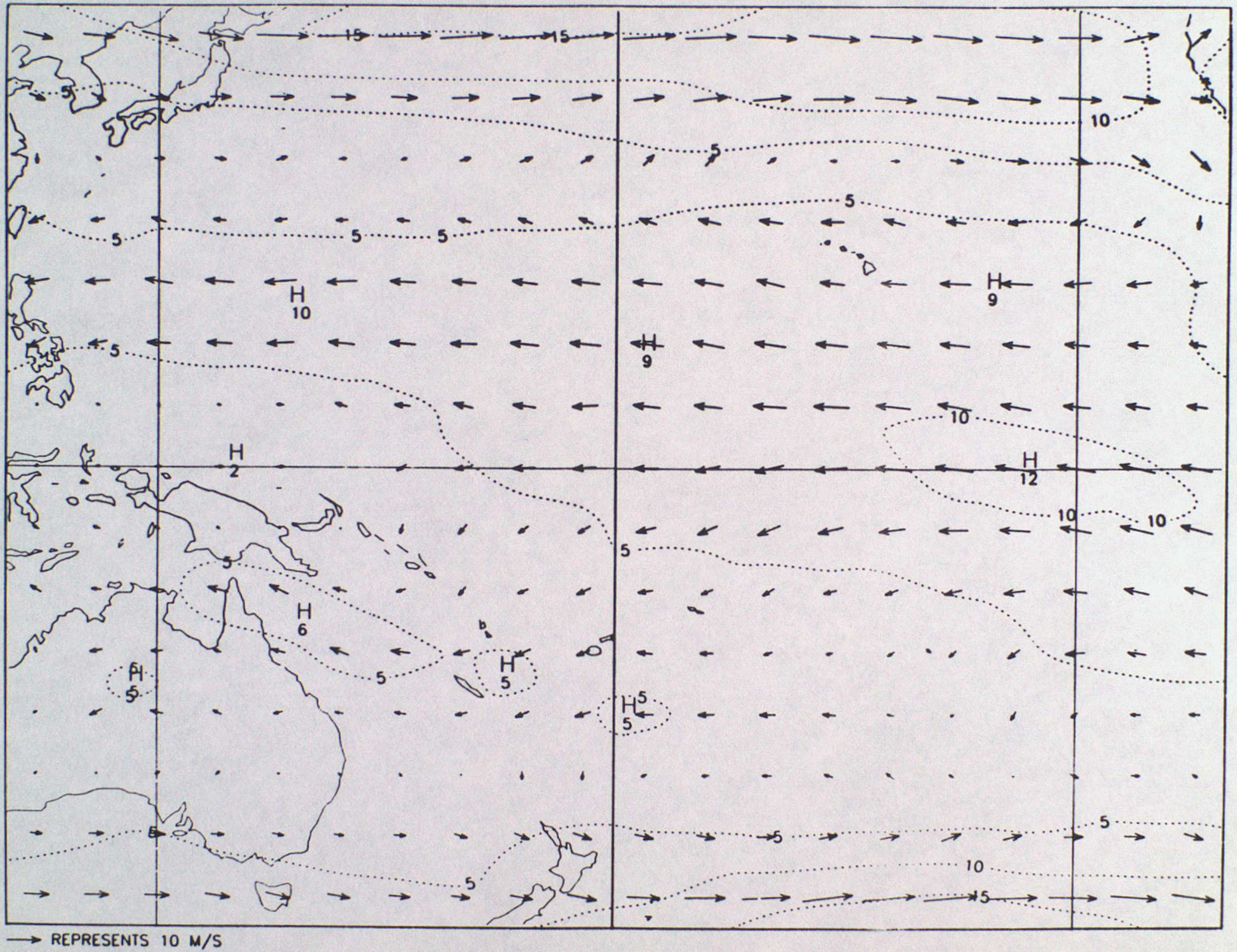
→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
850 MBS. BETWEEN LONGS. 0 E - 120 E

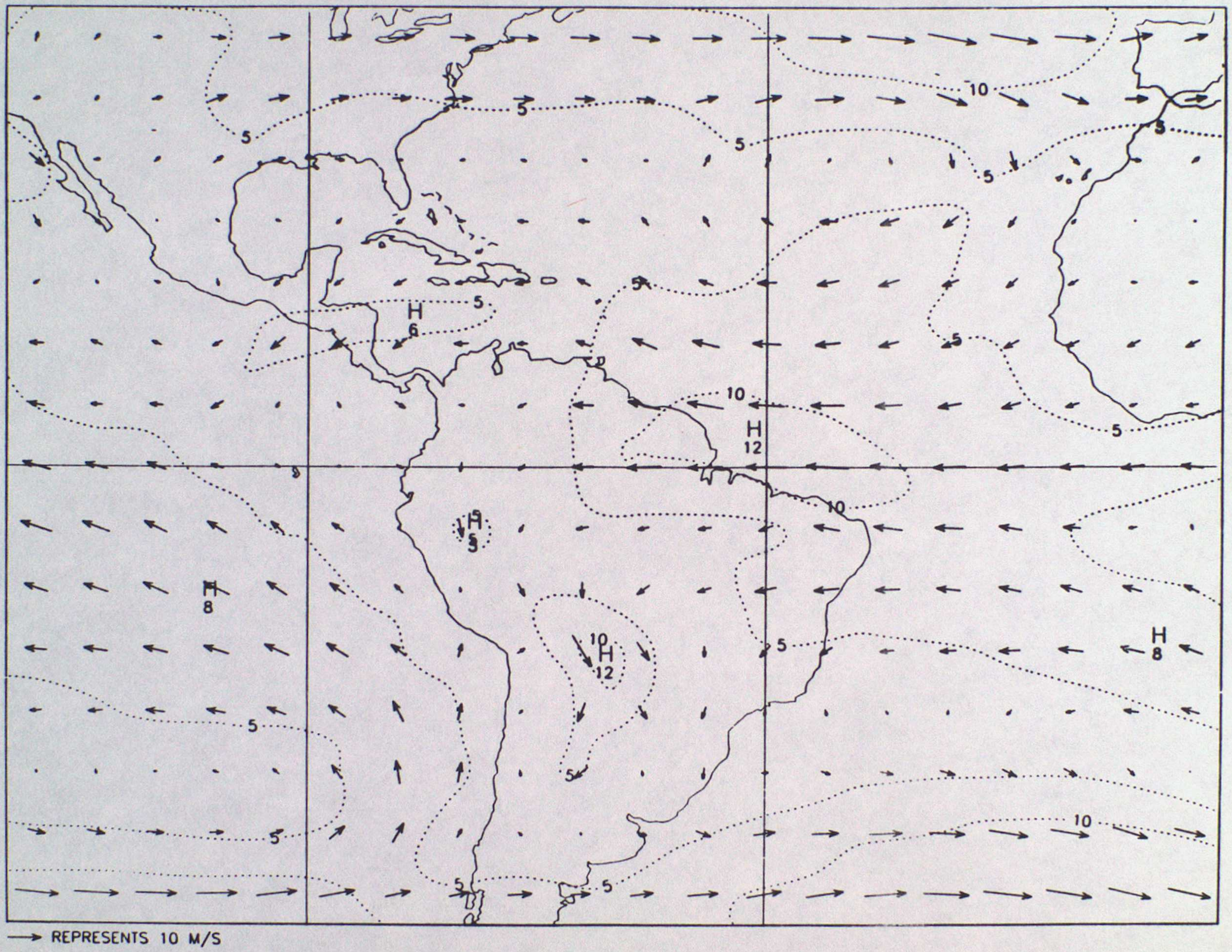


→ REPRESENTS 10 M/S

OPERATIONAL ARCHIVE MEANS.   NOVEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
850 MBS.   BETWEEN LONGS. 120 E - 120 W

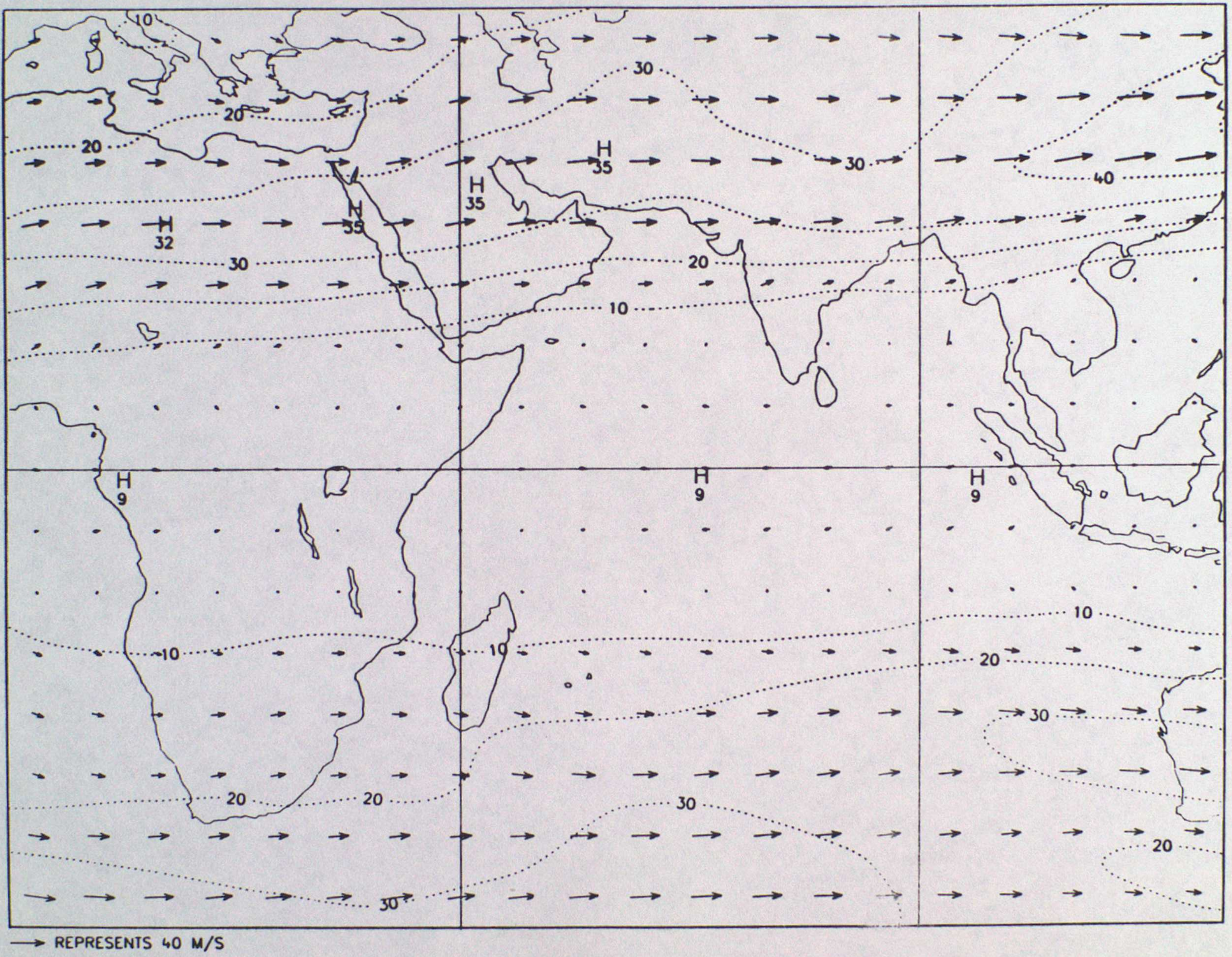

15
15
10
5
5
5
5
5
5
H
10
H
9
5
H
9
10
H
2
H
12
10
10
5
5
H
6
5
H
5
H
5
H
5
5
5
5
5
10
5
15
→ REPRESENTS 10 M/S

OPERATIONAL ARCHIVE MEANS.   NOVEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
850 MBS.   BETWEEN LONGS. 120 W - 0 W

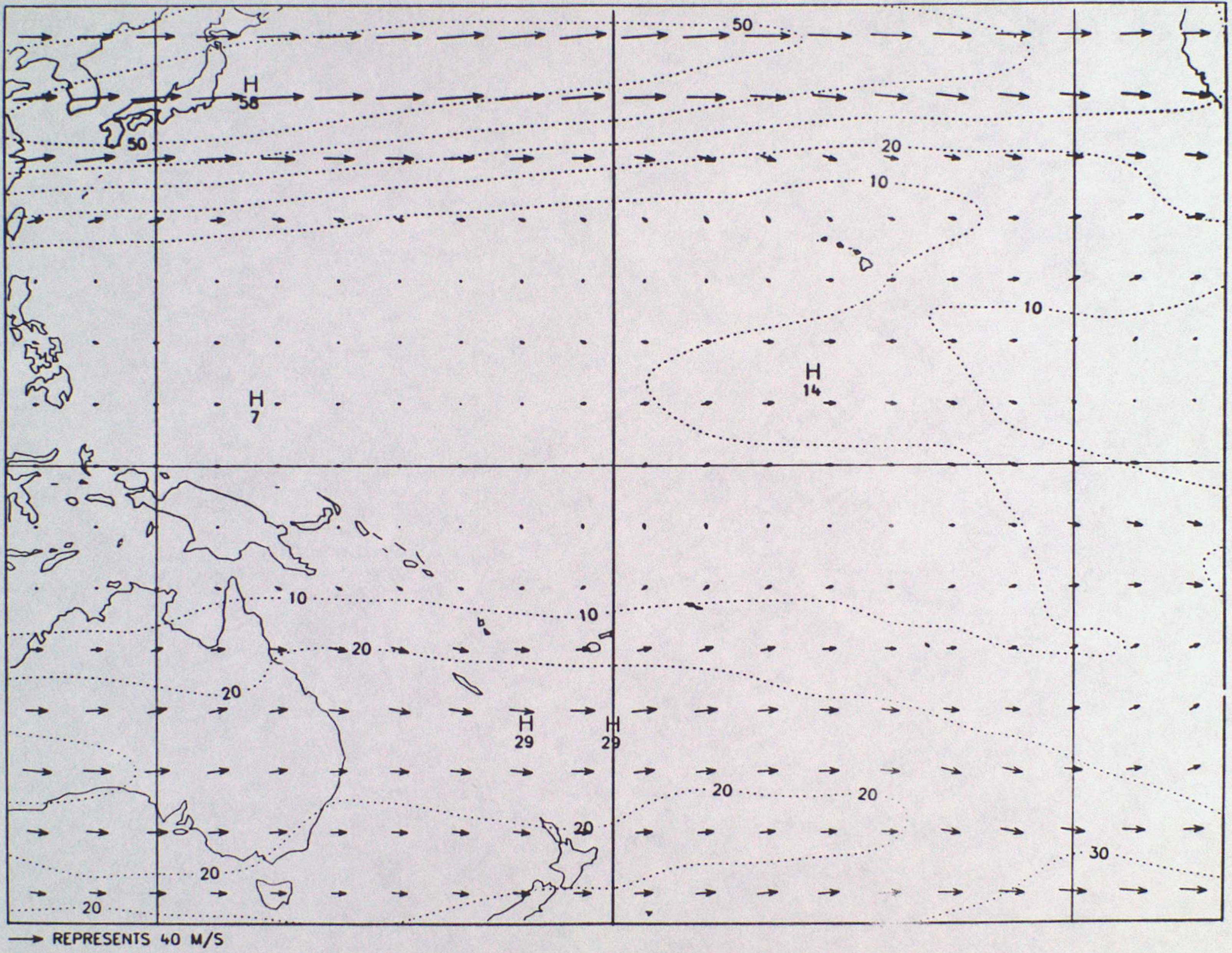


5
10
H
6
12
8
→ REPRESENTS 10 M/S

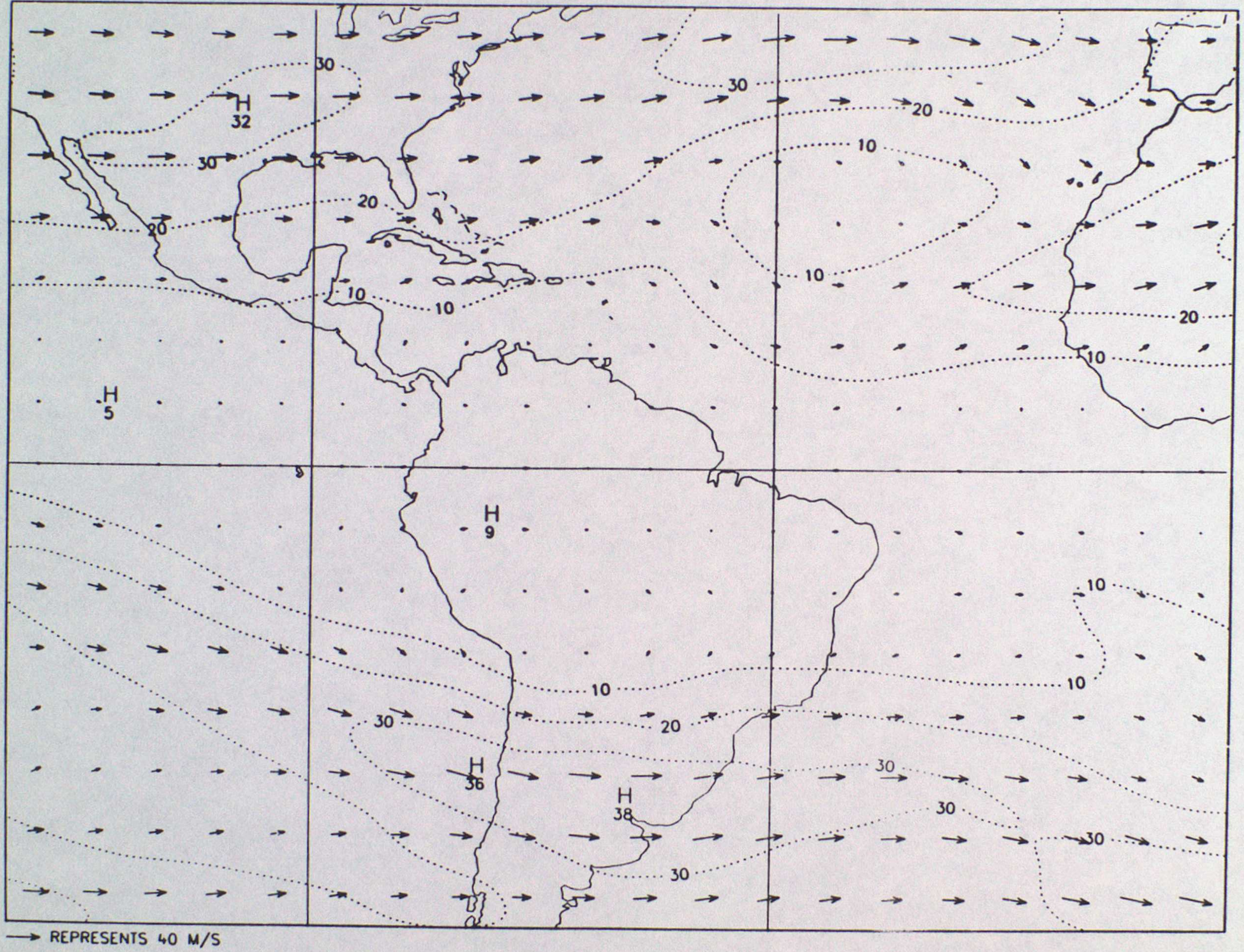
OPERATIONAL ARCHIVE MEANS.   NOVEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
250 MBS.   BETWEEN LONGS. 0 E - 120 E


10
20
20
30
H 35
40
30
H 35
H 35
H 32
30
20
10
H 9
H 9
H 9
10
10
10
20
30
20
20
30
30
20
→ REPRESENTS 40 M/S

OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
250 MBS. BETWEEN LONGS. 120 E - 120 W

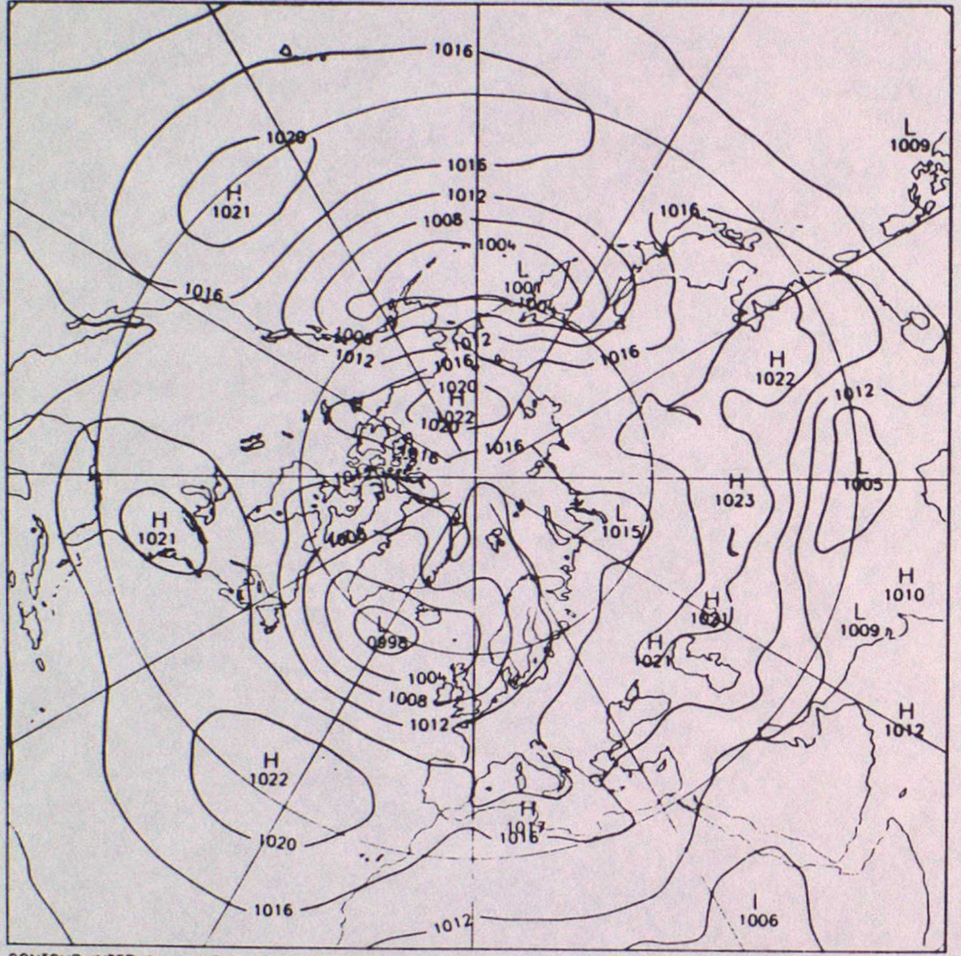

50
H
58
50
20
10
10
H
14
H
7
10
10
20
20
H
29
H
29
20
20
20
20
30
20
→ REPRESENTS 40 M/S

OPERATIONAL ARCHIVE MEANS. NOVEMBER 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/11/1984 DAY 306 TO 12Z ON 30/11/1984 DAY 335
250 MBS. BETWEEN LONGS. 120 W - 0 W


30
H
32
30
30
20
20
20
10
10
10
10
20
10
H
5
H
9
10
10
10
30
20
H
36
H
38
30
30
30
30
→ REPRESENTS 40 M/S

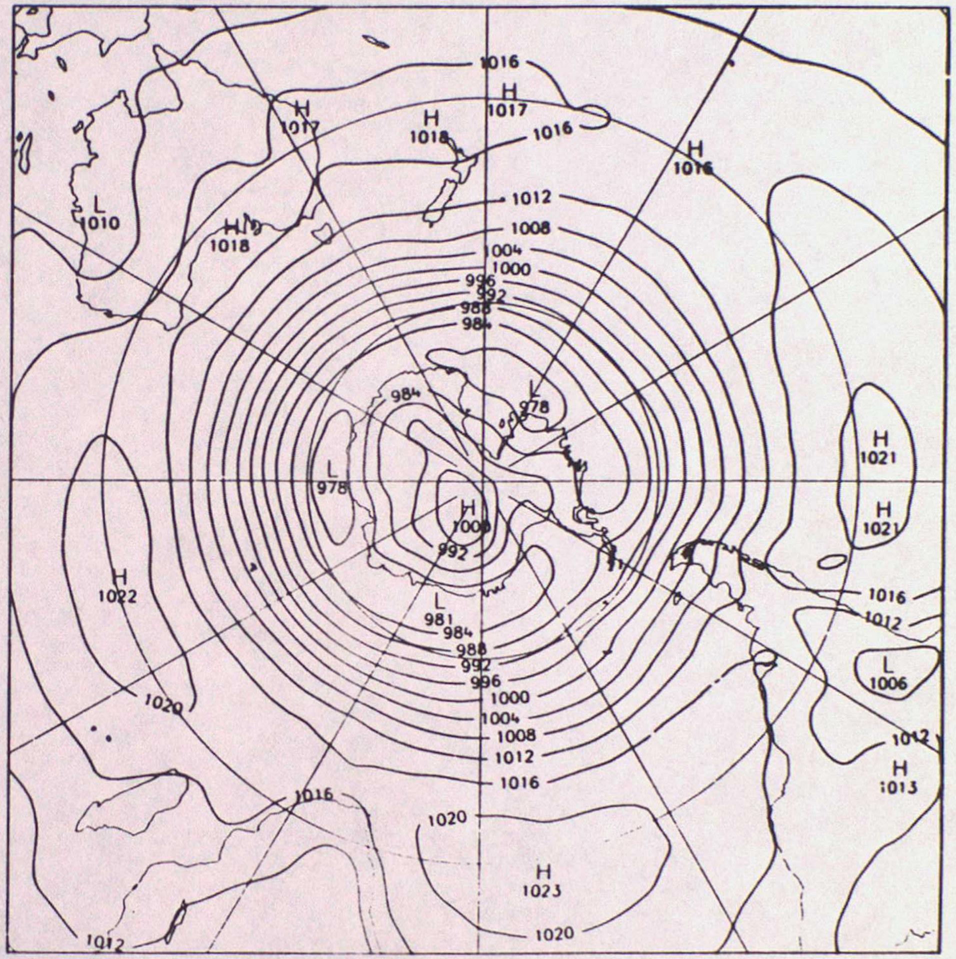
SEPTEMBER/OCTOBER/NOVEMBER
1984

OPERATIONAL ARCHIVE MEANS.   SEP/OCT/NOV 1984
PMSL
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
LEVEL: SEA LEVEL


H
1021
L
1009
H
1022
L
1005
H
1023
L
1015
H
1010
L
1009
H
1012
L
998
H
1021
H
1022
H
1017
L
1006
L
1001
H
1022
1016
1020
1012
1008
1004

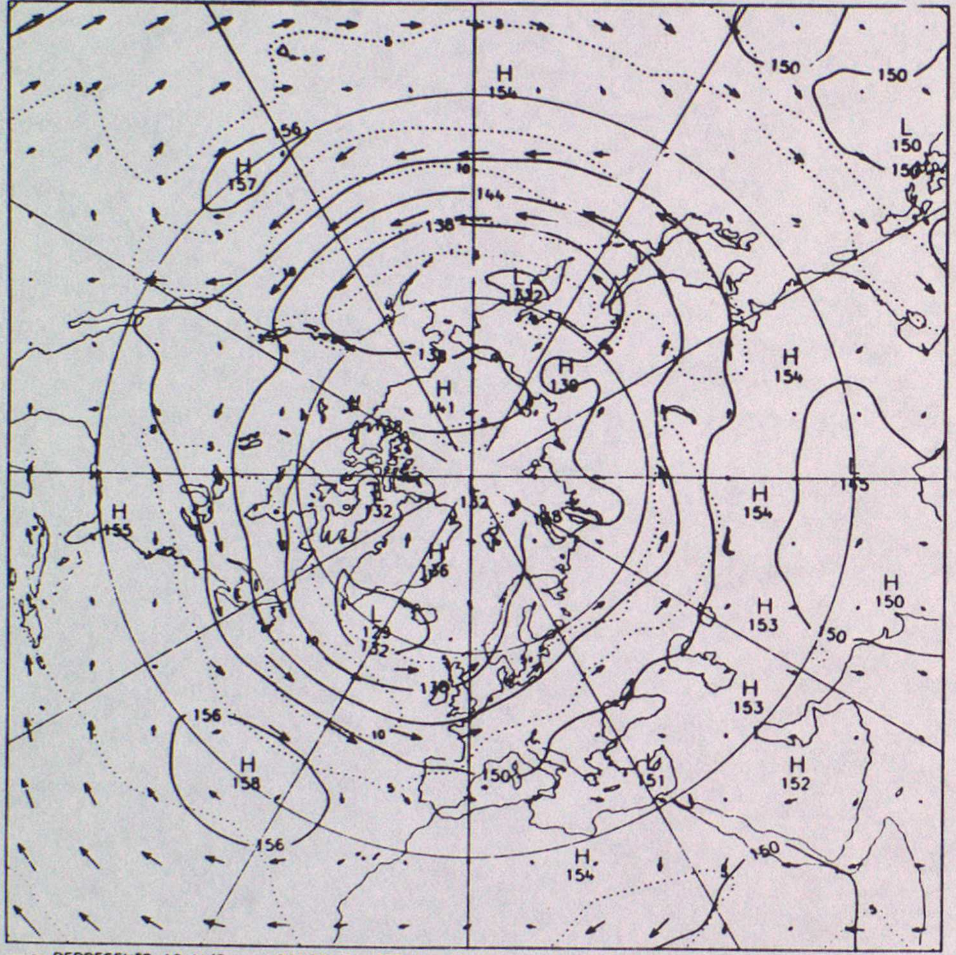
CONTOUR INTERVAL: 4 MB   UNITS: MB

OPERATIONAL ARCHIVE MEANS.   SEP/OCT/NOV 1984
PMSL
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON **30/11/1984 DAY 335**
LEVEL: SEA LEVEL.


H
1017
H
1018
H
1017
H
1016
L
1010
H
1018
L
978
L
978
H
1000
L
981
H
1021
H
1021
L
1006
H
1013
H
1022
H
1023
1016
1012
1008
1004
1000
996
992
988
984
1020

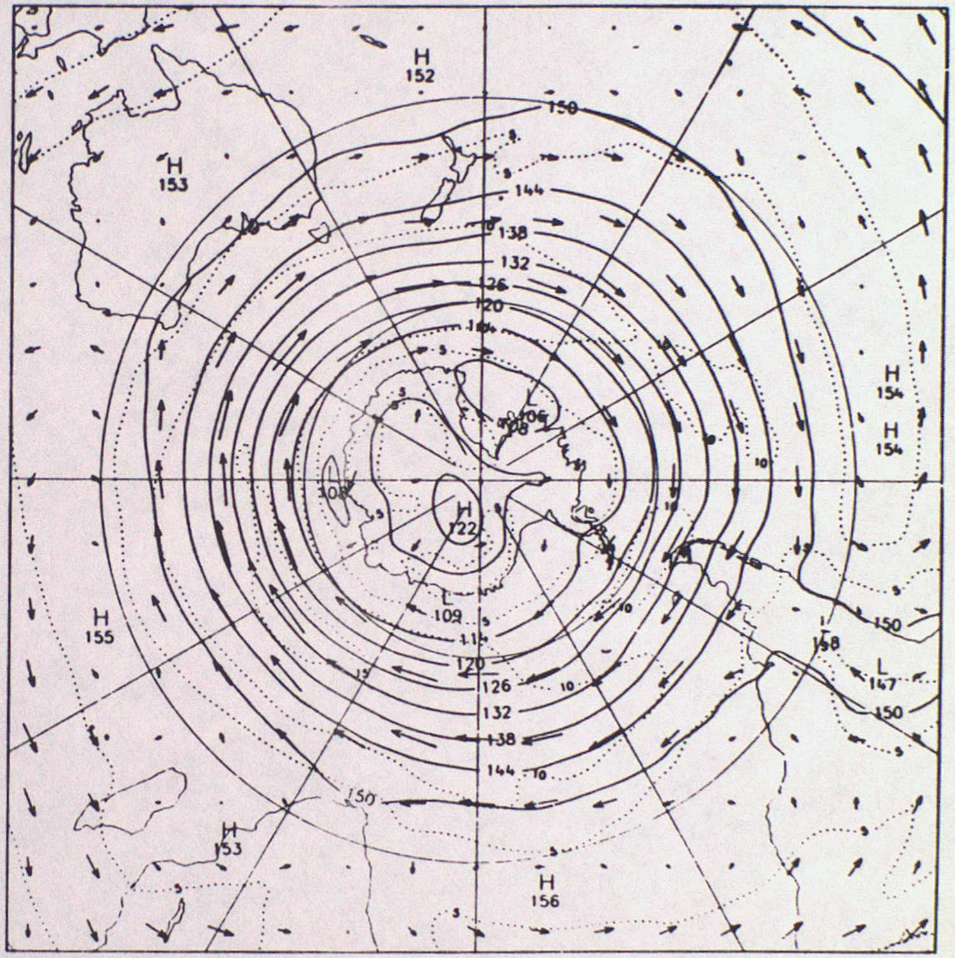
CONTOUR INTERVAL: 4 MB   UNITS: MB

OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 850 MB


H 154
150
150
L 150
150
H 157
156
10
144
138
L 132
130
H 141
H 139
H 154
138
132
132
H 155
128
H 136
L 129
132
H 154
L 145
H 153
H 150
150
130
156
10
H 153
H 158
150
151
H 152
156
H 154
150

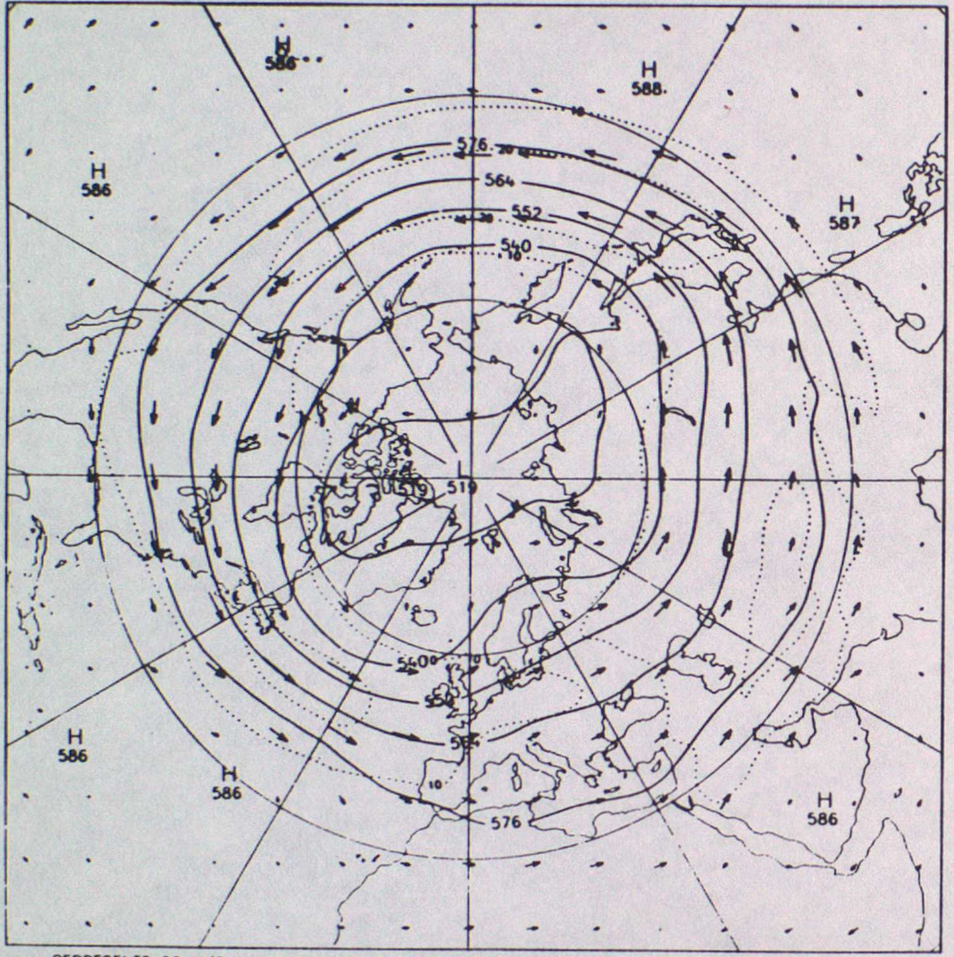
→ REPRESENTS 10 M/S CONTOUR INTERVAL: 60 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 850 MB


H 152
150
H 153
144
138
132
126
120
114
H 154
H 154
106
108
H 122
L 109
114
120
126
132
138
144
H 155
158
150
L 147
150
150
H 153
H 156
10

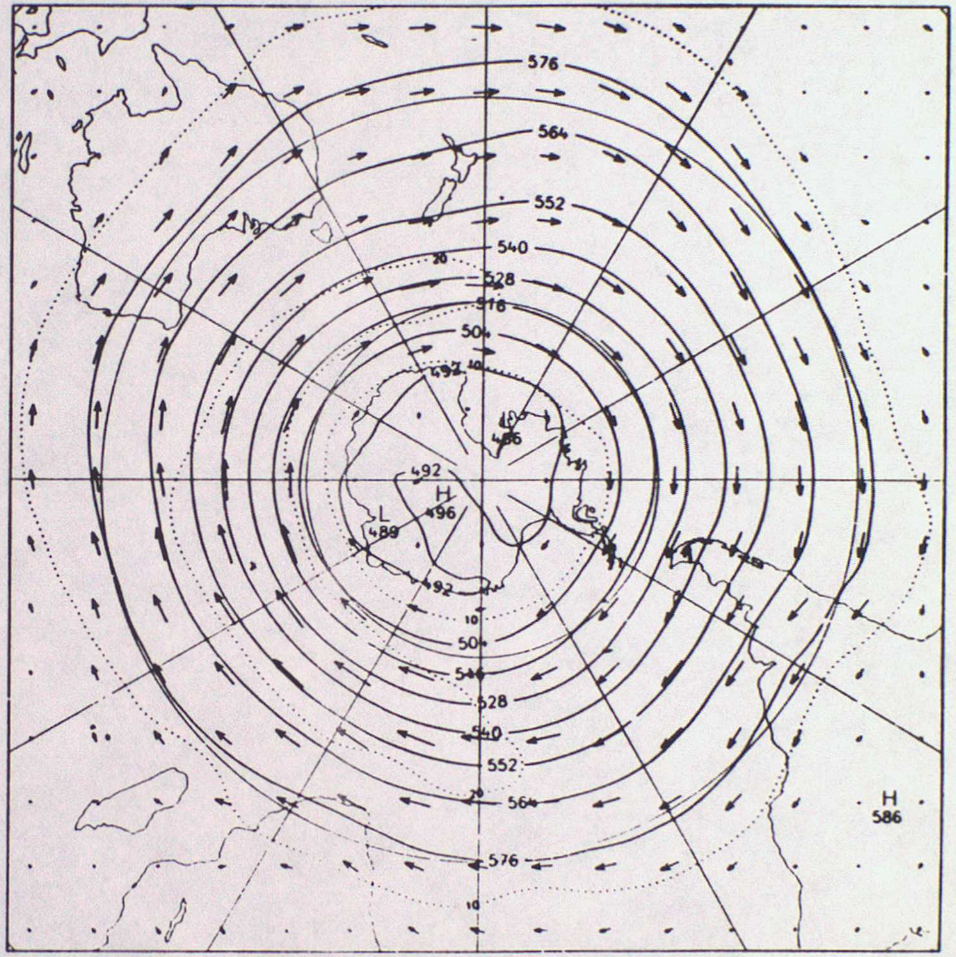
→ REPRESENTS 10 M/S CONTOUR INTERVAL: 60 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 500 MB


H
586
H
588
H
586
H
587
576
564
552
540
10
20
L
519
540
552
564
576
10
H
586
H
586
H
586

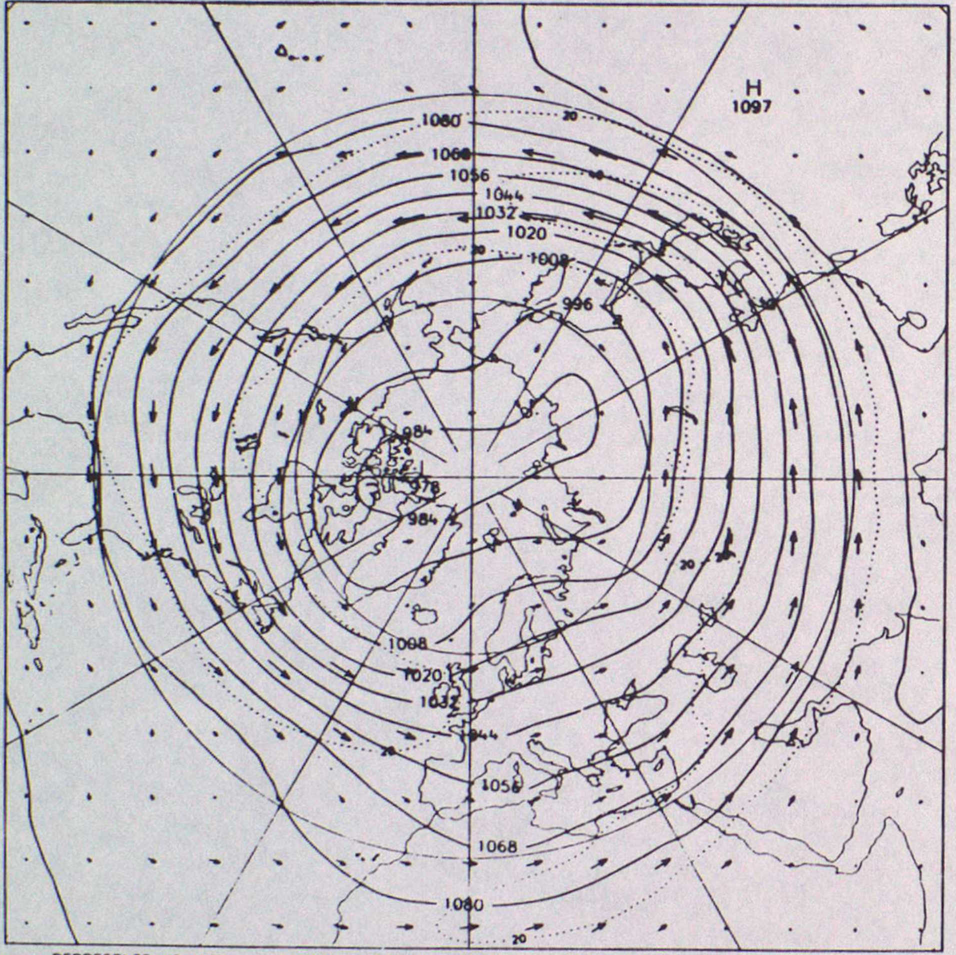
→ REPRESENTS 20 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 500 MB


576
564
552
540
528
516
504
492
10
20
486
492
H
496
L
489
492
10
504
516
528
540
552
564
576
10
H
586

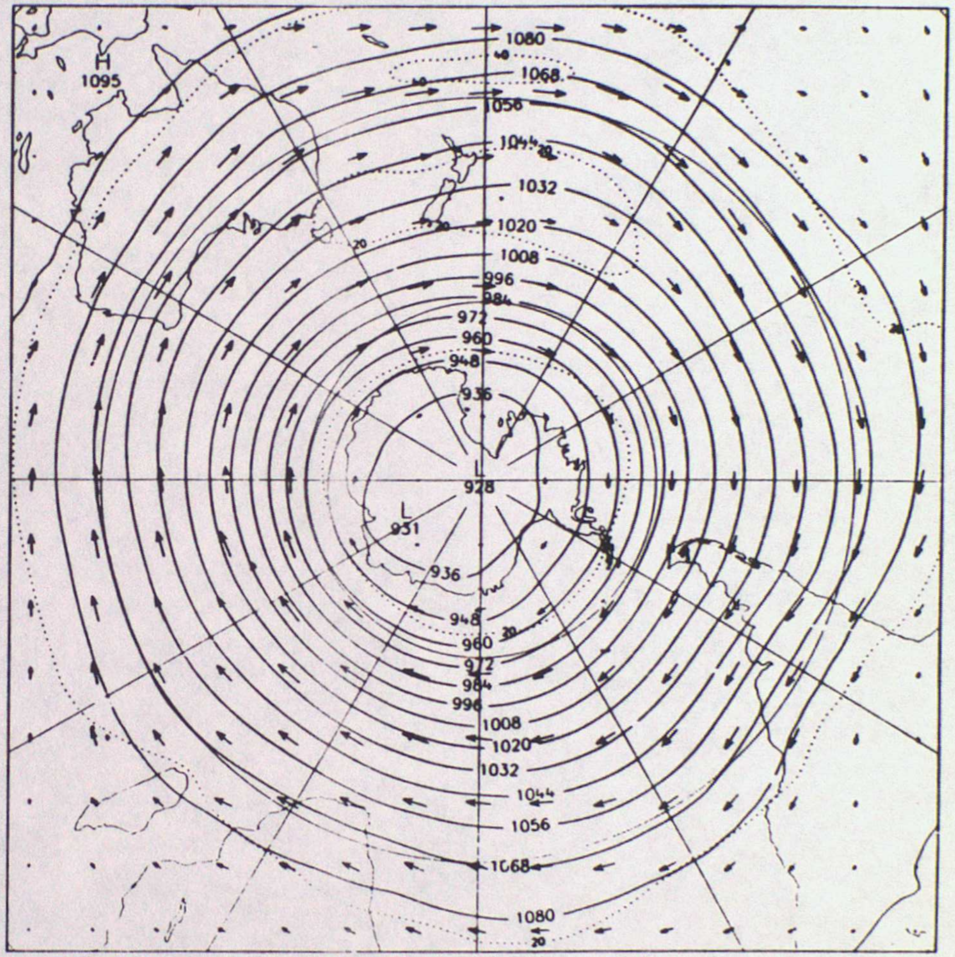
→ REPRESENTS 20 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 250 MB


H
1097
1080
1068
1056
1044
1032
1020
1008
996
984
978
20
40

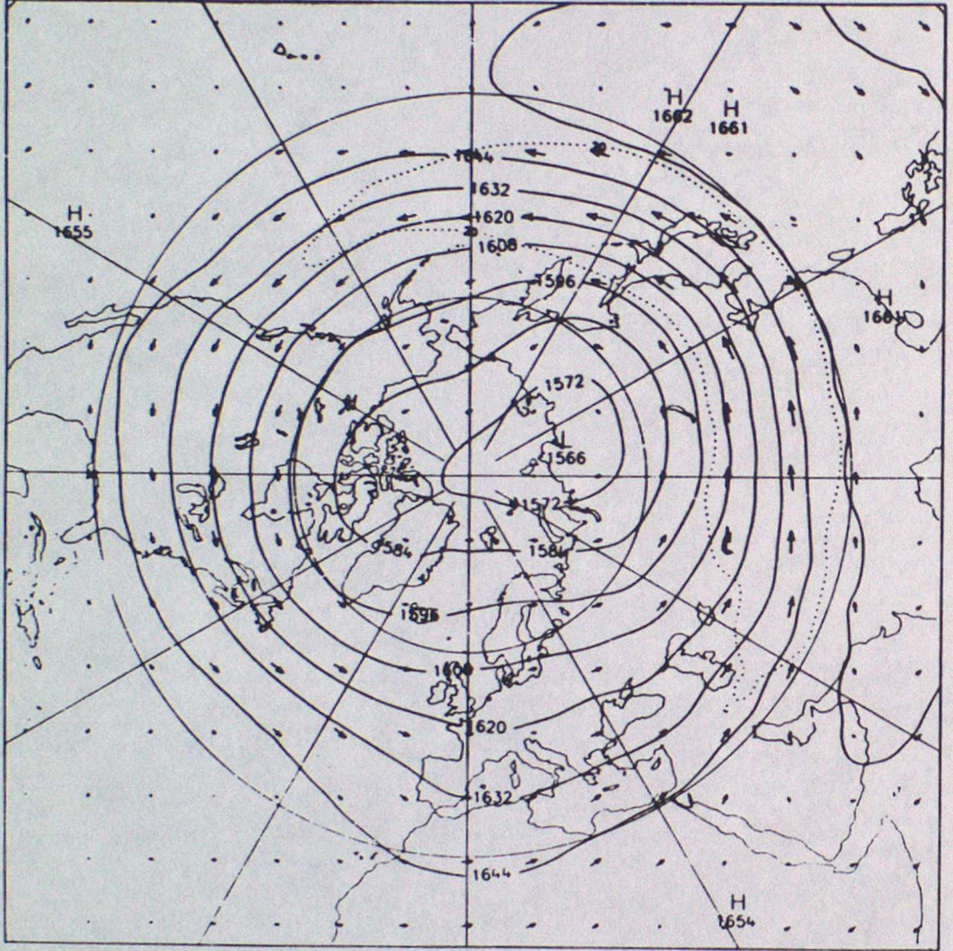
→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS. 10 M

OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 250 MB


H
1095
1080
1068
1056
1044
1032
1020
1008
996
984
972
960
948
936
L
928
L
931
20
40

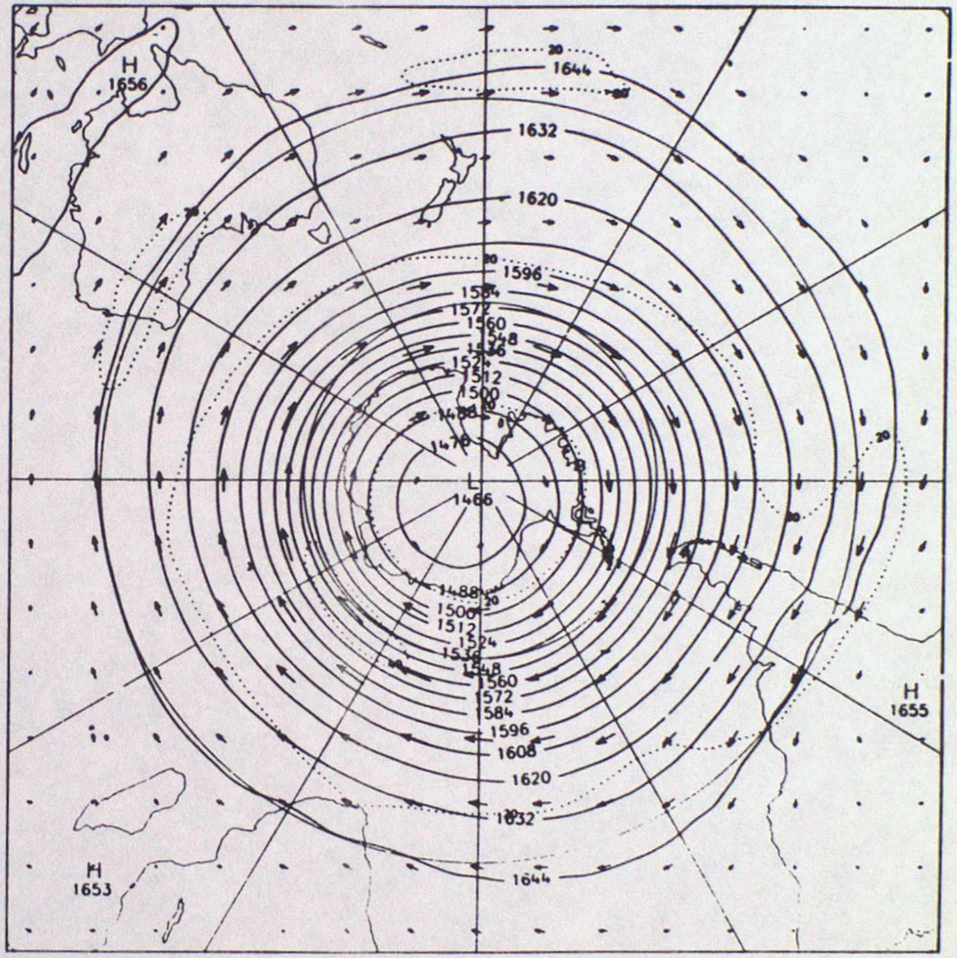
→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 100 MB


H 1655
H 1662
H 1661
H 1664
1644
20
1632
1620
1608
1596
1572
L 1566
1572
1584
1584
1596
1608
1620
1632
1644
H 1654

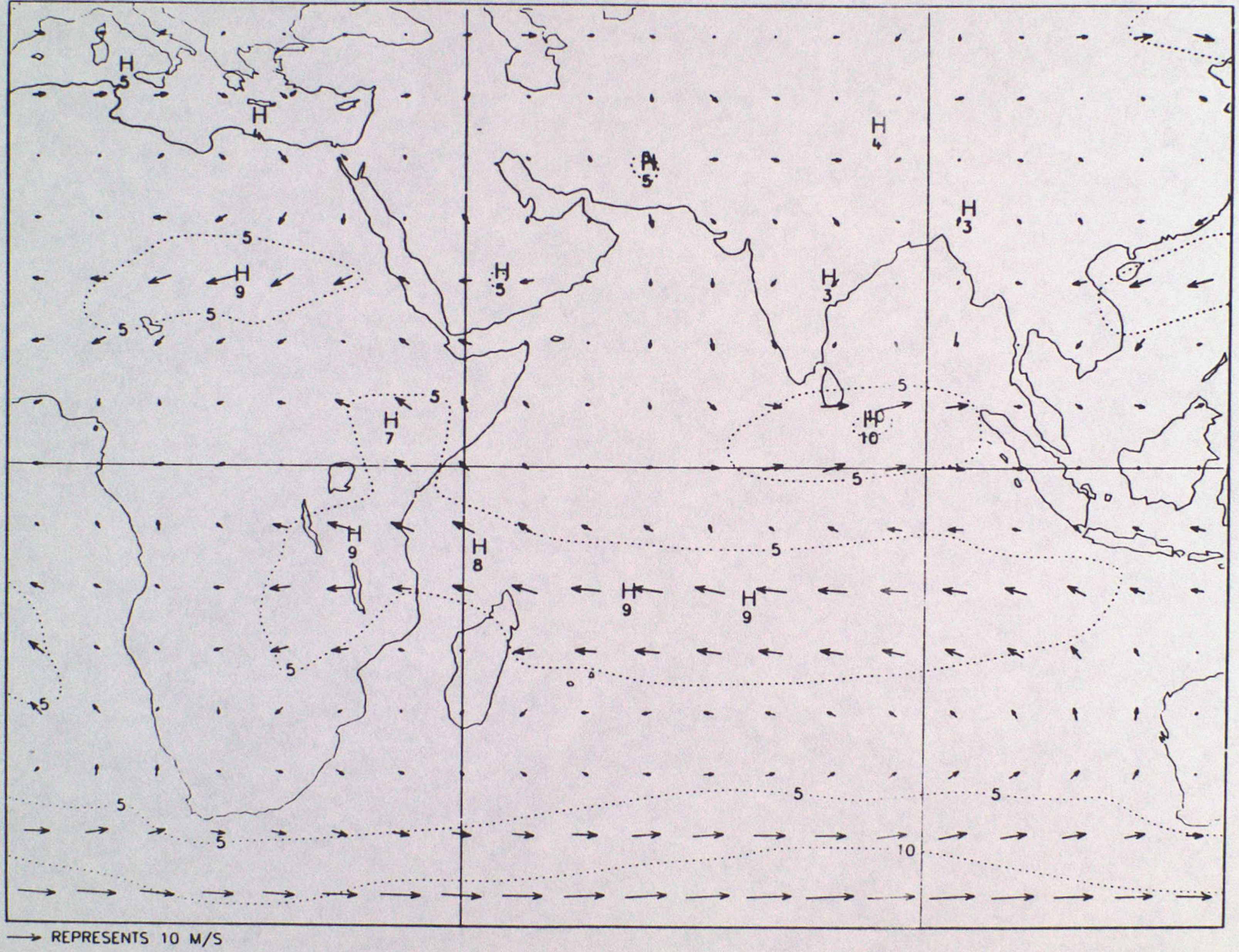
→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
HEIGHTS, WIND ARROWS AND ISOTACHS.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
LEVEL: 100 MB

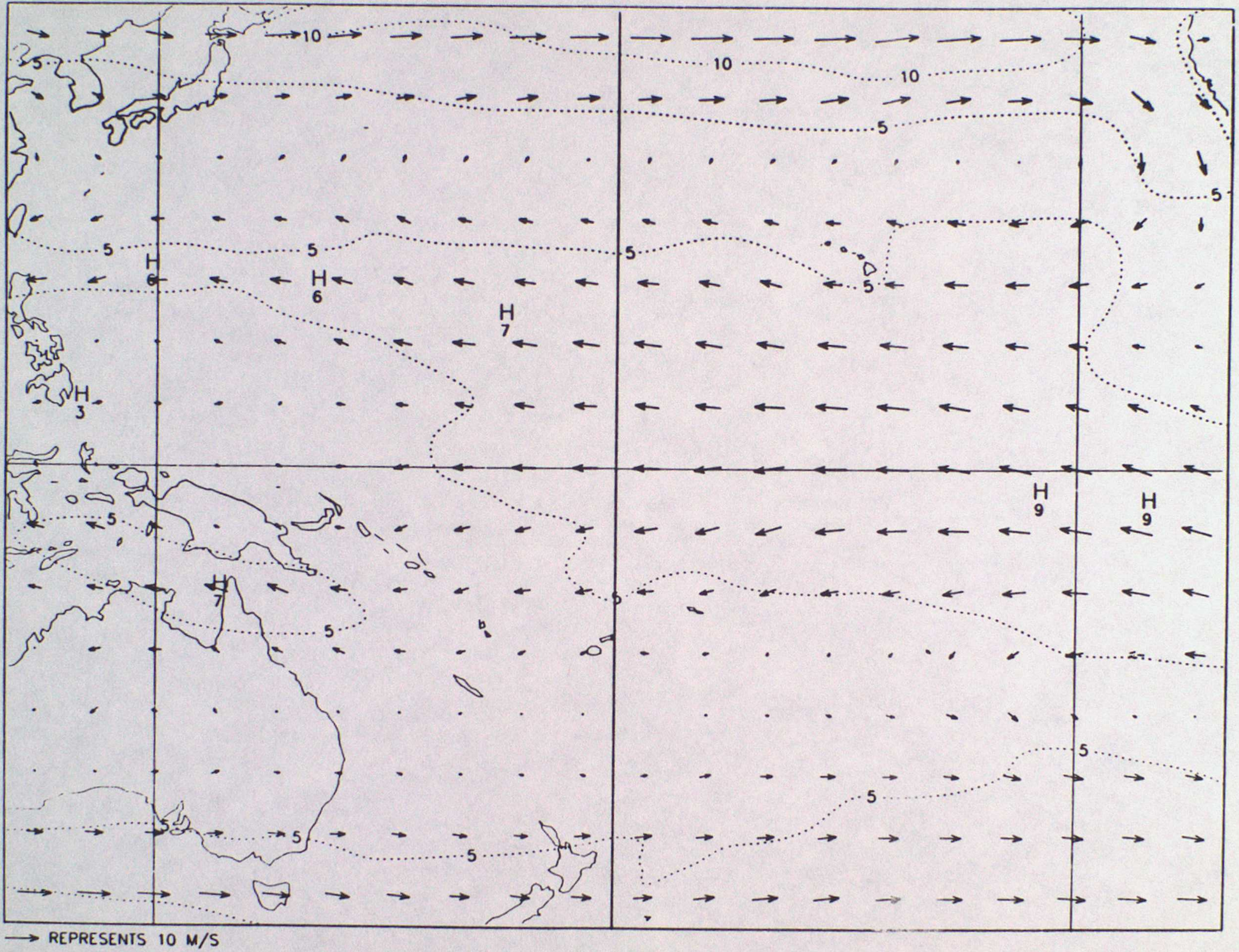

H 1656
20
1644
1632
1620
1596
1584
1572
1560
1548
1536
1524
1512
1500
1488
1476
L 1466
1488
1500
1512
1524
1536
1548
1560
1572
1584
1596
1608
1620
1632
1644
H 1655
H 1653

→ REPRESENTS 40 M/S CONTOUR INTERVAL: 120 M UNITS: 10 M

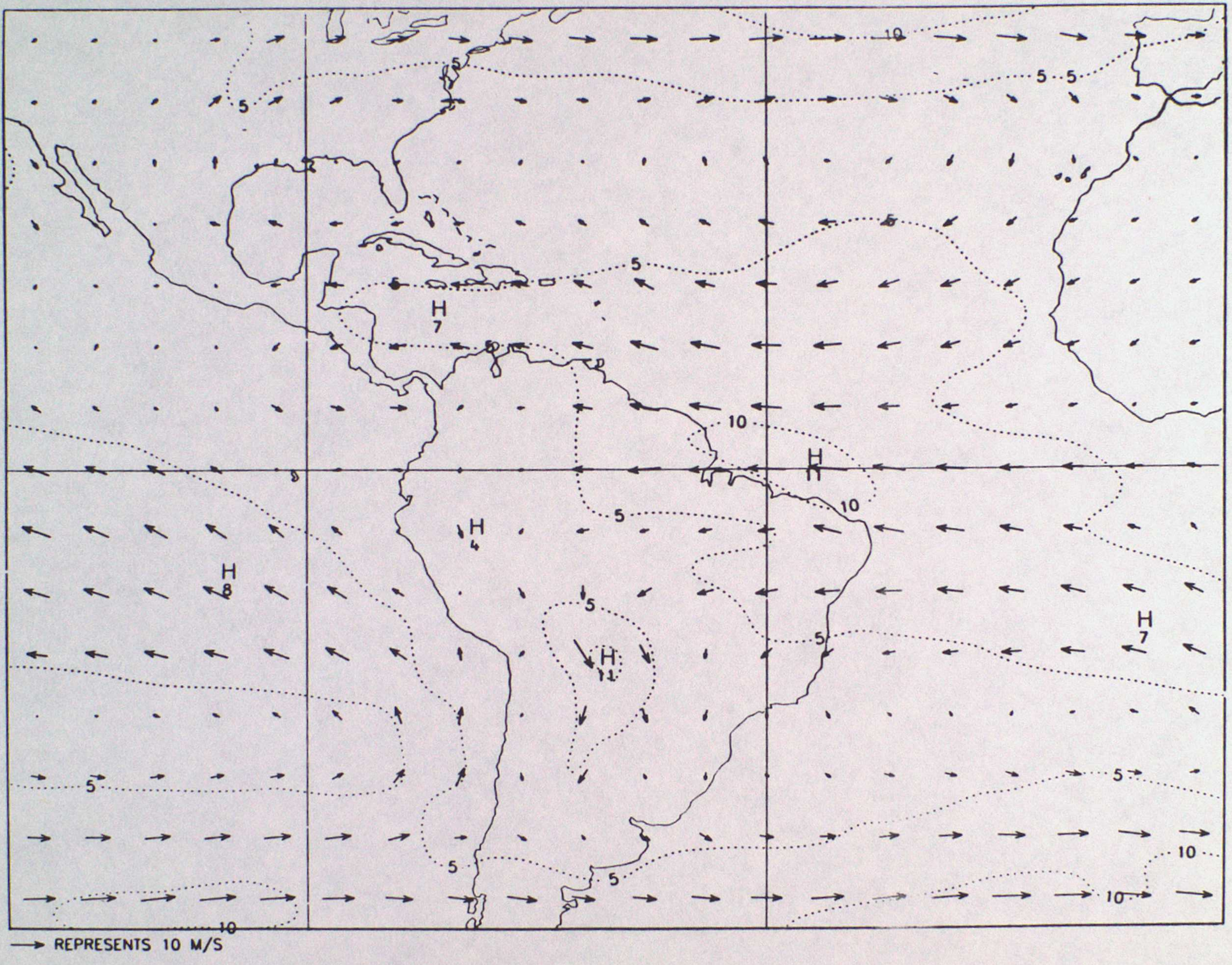
OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
850 MBS. BETWEEN LONGS. 0 E - 120 E


H 5
H
H 4
H 5
H 3
H 9
H 5
H 3
5
5
5
H 7
H 10
5
5
H 9
H 8
5
H 9
H 9
5
5
5
5
5
5
10
→ REPRESENTS 10 M/S

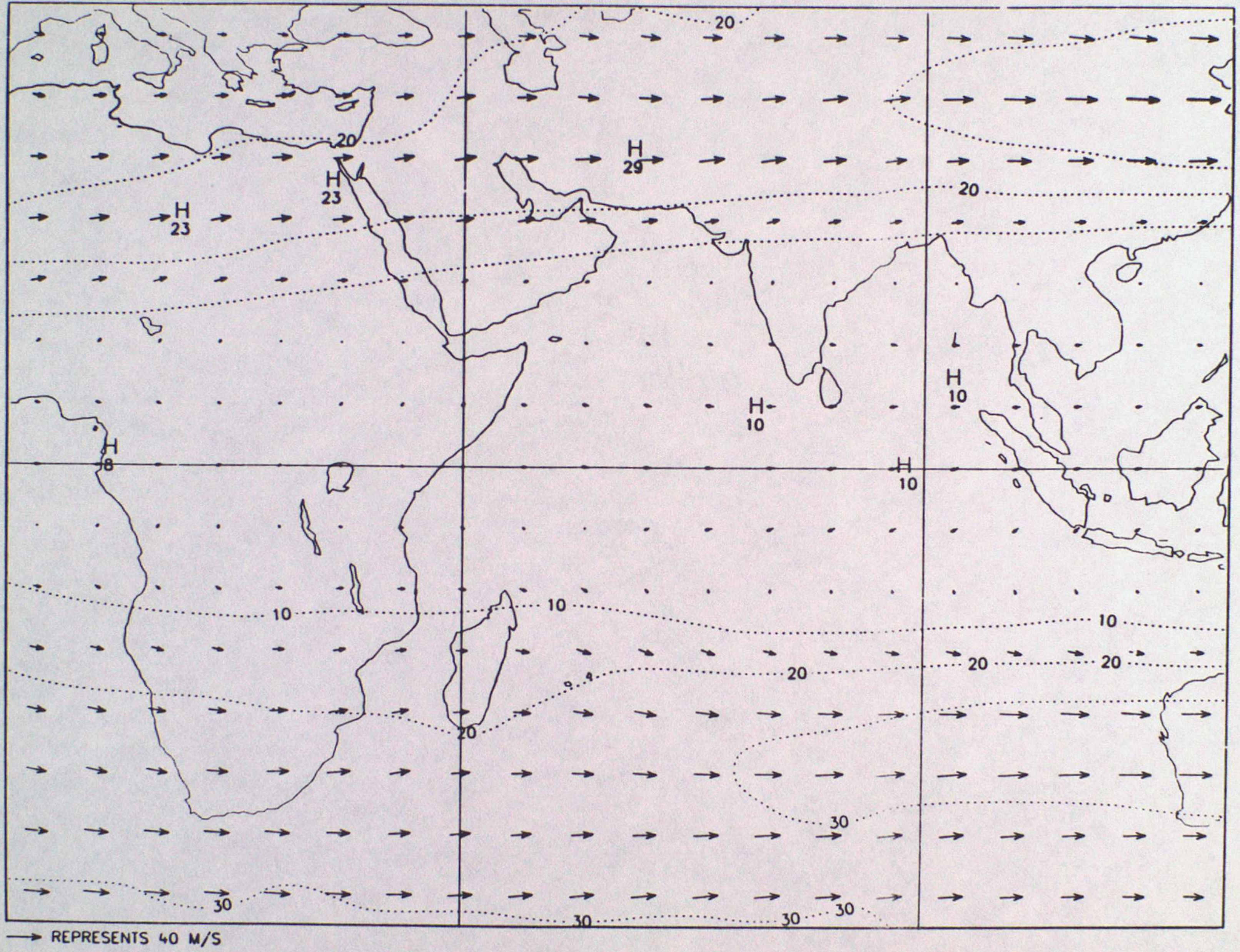
OPERATIONAL ARCHIVE MEANS.   SEP/OCT/NOV 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
850 MBS.   BETWEEN LONGS. 120 E - 120 W


10
10
10
5
5
5
5
H 6
H 6
H 7
H 3
H 7
H 9
H 9
→ REPRESENTS 10 M/S

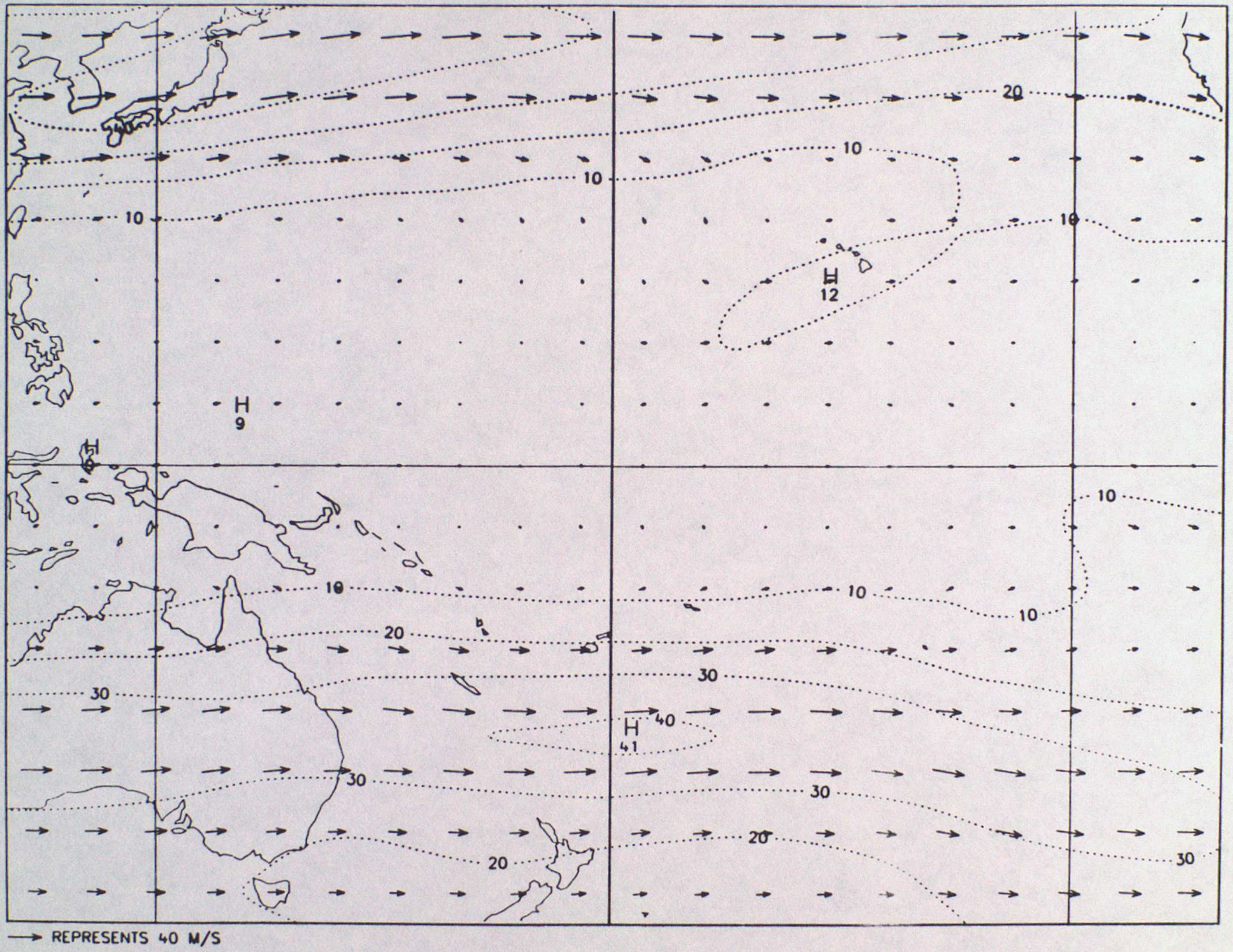
OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
850 MBS. BETWEEN LONGS. 120 W - 0 W


5
10
H
7
8
4
11
→ REPRESENTS 10 M/S

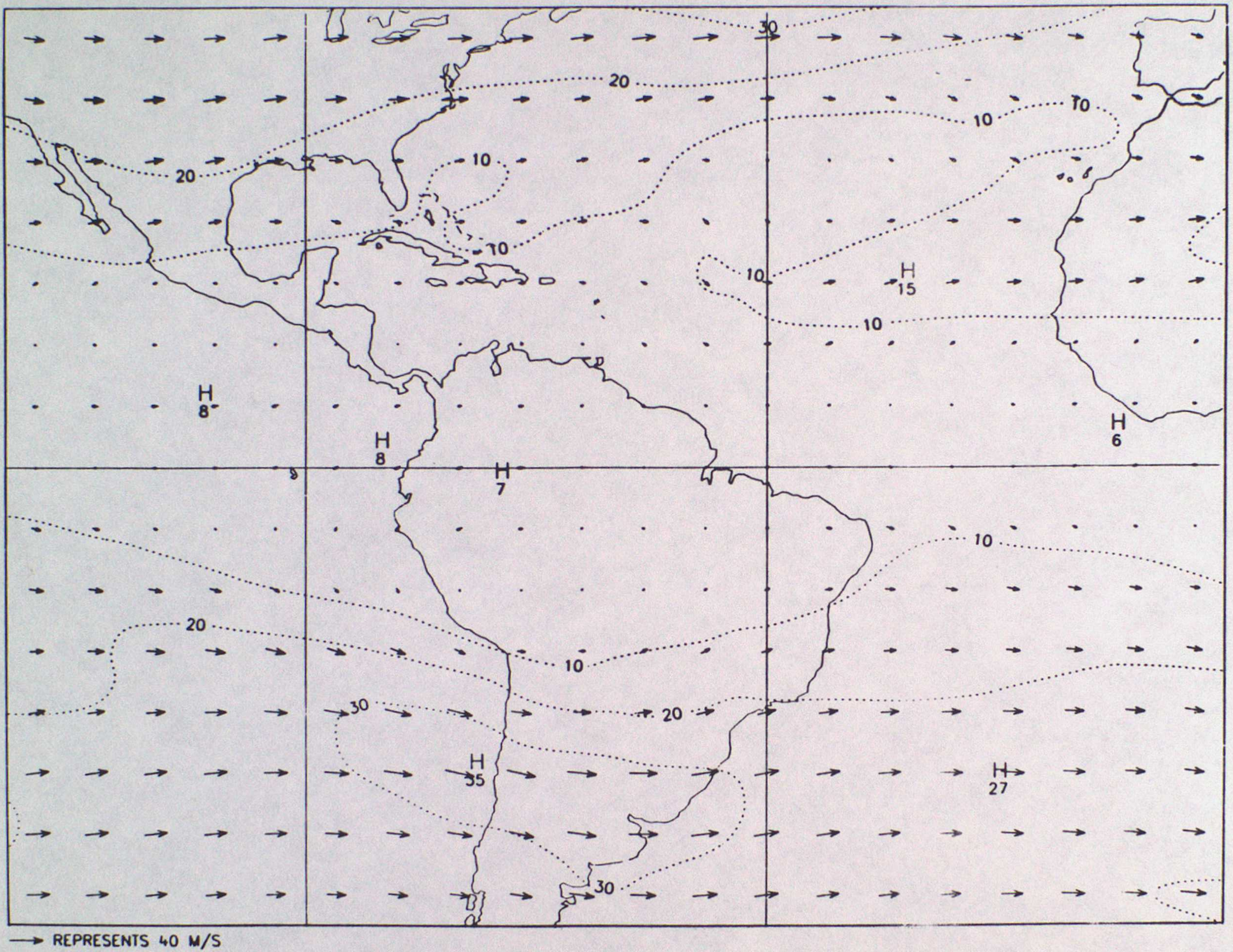
OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
250 MBS. BETWEEN LONGS. 0 E - 120 E


20
20
H
29
H
23
H
23
20
H
10
H
10
H
8
H
10
L
10
10
10
20
20
20
20
30
30
30
30
30
→ REPRESENTS 40 M/S

OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
250 MBS. BETWEEN LONGS. 120 E - 120 W


20
10
10
10
10
H
12
H
9
H
10
10
10
10
20
30
30
H
41
40
30
30
20
20
30
→ REPRESENTS 40 M/S

OPERATIONAL ARCHIVE MEANS. SEP/OCT/NOV 1984
WIND ARROWS AND ISOTACHS BETWEEN LATS. 45 N - 45 S.
AVERAGE FROM 0Z ON 1/9/1984 DAY 245 TO 12Z ON 30/11/1984 DAY 335
250 MBS. BETWEEN LONGS. 120 W - 0 W


30
20
10
H 15
H 8
H 7
H 6
H 35
H 27
→ REPRESENTS 40 M/S